



伸勇集團 成育科技股份有限公司

AMODE TECH.LTD.

ACDNR 电感系列目录 (2024年)

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Catalog of Products

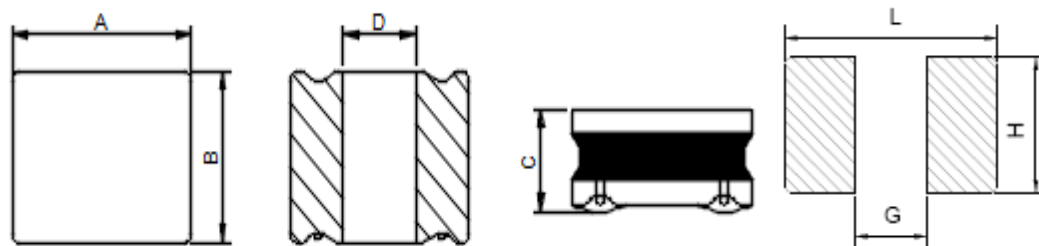
Model	P/N	Size (mm)	Inductance (uH)	Page
    	ACDNR201610(主推)	201610	2.2-10uH	<u>3</u>
	ACDNR201610MK	201610	0.33-10uH	<u>4</u>
	ACDNR201610MJ	201610	0.24-10uH	<u>5</u>
	ACDNR252008(主推)	252008	0.47-10uH	<u>6</u>
	ACDNR252008MJ	252008	2.2-10uH	<u>7</u>
	ACDNR252010(主推)	252010	2.2-15uH	<u>8</u>
	ACDNR252010MK	252010	0.33-10uH	<u>9</u>
	ACDNR252010MJ	252010	0.24-10uH	<u>10</u>
	ACDNR252012	252012	0.47-22uH	<u>11</u>
	ACDNR252012MK	252012	0.33-22uH	<u>12</u>
	ACDNR252012MJ	252012	0.24-10uH	<u>13</u>
	ACDNR3008	3008	2.2-10uH	<u>14</u>
	ACDNR3008MJ	3008	2.2-10uH	<u>15</u>
	ACDNR3010(主推)	3010	1.5-22uH	<u>16</u>
	ACDNR3010MJ	3010	0.24-10uH	<u>17</u>
	ACDNR3012	3012	2.2-15uH	<u>18</u>
	ACDNR3012MK	3012	1.5-10uH	<u>19</u>
	ACDNR3012MJ	3012	1.5-10uH	<u>20</u>
	ACDNR3015	3015	1.0-47uH	<u>21</u>
	ACDNR3015MJ	3015	1.0-10uH	<u>22</u>
	ACDNR4010(主推)	4010	2.2-22uH	<u>23</u>
	ACDNR4010HY	4010	2.2-22uH	<u>24</u>
	ACDNR4010MJ	4010	0.24-22uH	<u>25</u>
	ACDNR4012(主推)	4012	1.0-22uH	<u>26</u>
	ACDNR4012MJ	4012	0.47-22uH	<u>27</u>
	ACDNR4015LL(主推)	4015	2.2uH	<u>28</u>
	ACDNR4018LL(主推)	4018	1.0-100uH	<u>29</u>

Catalog of Products

Model	P/N	Size (mm)	Inductance (uH)	Page
  	ACDNR4018K	4018	1.0-150uH	30
	ACDNR4018MJ	4018	0.68-22uH	31
	ACDNR4020K	4020	1.0-100uH	32
	ACDNR4020MK	4020	0.22-10uH	33
	ACDNR4020MJ	4020	1.0-6.8uH	34
	ACDNR4030K	4030	1.0-330uH	35
	ACDNR5010(主推)	5010	2.2-22uH	36
	ACDNR5012(主推)	5012	1.0-22uH	37
	ACDNR5014	5014	2.2-22uH	38
	ACDNR5020	5020	4.7-10uH	39
	ACDNR5020K(主推)	5020	1.0-100uH	40
	ACDNR5020MJ	5020	6.8uH	41
	ACDNR5040LL(主推)	5040	1.0-100uH	42
	ACDNR5040K	5040	1.0-220uH	43
	ACDNR6010	6010	2.2-15uH	44
	ACDNR6012(主推)	6012	2.2-22uH	45
	ACDNR6020LL	6020	1.0-22uH	46
	ACDNR6020K(主推)	6020	1.0-47uH	47
	ACDNR6028LL	6028	4.7-68uH	48
	ACDNR6028K(主推)	6028	1.0-100uH	49
	ACDNR6045	6045	1.0-1000uH	50
	ACDNR6045K	6045	1.0-680uH	52
	ACDNR8040(主推)	8040	0.9-820uH	53
	ACDNR8040K	8040	1.0-680uH	54
	ACDNR8060K	8060	10-100uH	56

ACDNR201610 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.00	-0.2/+0.4
B	1.60	-0.2/+0.4
C	1.05	Max.
D	0.80	Ref.
L	2.40	Ref.
G	0.80	Ref.
H	1.80	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR201610-2R2MT	2.2±20%	1M/0.1V	1.45	1.26	1.35	1.20	145	174
ACDNR201610-3R3MT	3.3±20%	1M/0.1V	1.05	0.90	1.05	0.90	245	294
ACDNR201610-4R7MT	4.7±20%	1M/0.1V	0.85	0.77	1.00	0.90	340	408
ACDNR201610-6R8MT	6.8±20%	1M/0.1V	0.80	0.72	0.70	0.55	452	542
ACDNR201610-100MT	10±20%	1M/0.1V	0.62	0.55	0.50	0.45	700	840

1 : CORE SIZE 2.0-1.6-0.99

2 : SOLDER Lead-free process (focus)

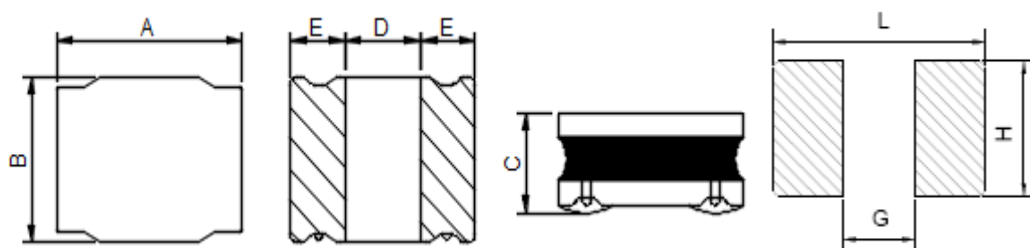
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR201610MK SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.0	±0.35
B	1.6	±0.35
C	1.05	Max.
D	0.9	±0.2
E	0.6	±0.2
L	2.2	Ref.
G	0.6	Ref.
H	1.8	Ref.



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR201610MK-R33MT	0.33±20%	1M/0.25V	5.50	4.70	3.60	3.20	35	43
ACDNR201610MK-R47MT	0.47±20%	1M/0.25V	4.70	4.00	3.10	2.70	41	49
ACDNR201610MK-R68MT	0.68±20%	1M/0.25V	4.00	3.50	2.80	2.50	57	65
ACDNR201610MK-1R0MT	1.0±20%	1M/0.25V	3.85	3.35	2.35	2.05	75	90
ACDNR201610MK-1R5MT	1.5±20%	1M/0.25V	2.30	1.95	2.00	1.70	110	130
ACDNR201610MK-2R2MT	2.2±20%	1M/0.25V	2.15	1.90	1.70	1.45	142	170
ACDNR201610MK-4R7MT	4.7±20%	1M/0.25V	1.50	1.20	1.00	0.90	370	425
ACDNR201610MK-100MT	10±20%	1M/0.25V	0.95	0.80	0.75	0.65	688	826

1 .SOLDER Lead-free process (focus)

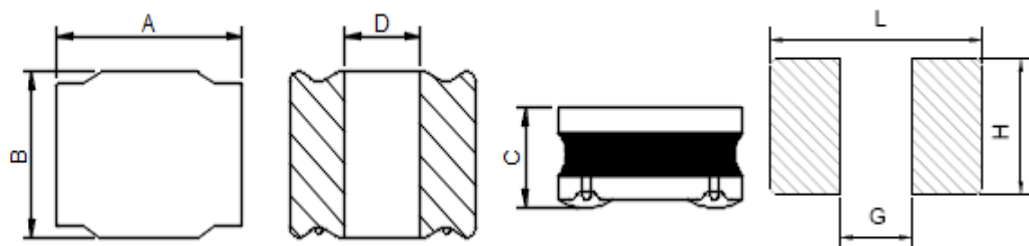
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR201610MJ SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.1	-0.2/+0.4
B	1.7	-0.2/+0.4
C	1.0	Max.
D	0.8	Ref.
R24/R33高度1.05mm Max.		
L	2.4	Ref.
G	0.8	Ref.
H	1.8	Ref.



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR201610MJ-R24YT	0.24±30%	1MHz/1V	6.80	5.90	4.20	3.70	26	32
ACDNR201610MJ-R33YT	0.33±30%	1MHz/1V	6.00	5.50	4.00	3.60	32	38
ACDNR201610MJ-R47YT	0.47±30%	1MHz/1V	5.20	4.30	3.60	3.20	35	44
ACDNR201610MJ-R68YT	0.68±30%	1MHz/1V	4.20	3.60	2.90	2.60	56	64
ACDNR201610MJ-1R0YT	1.0±30%	1MHz/1V	3.10	2.70	2.45	2.20	70	85
ACDNR201610MJ-1R5YT	1.5±30%	1MHz/1V	2.90	2.60	2.30	2.00	105	125
ACDNR201610MJ-2R2MT	2.2±20%	1MHz/1V	2.20	1.90	1.85	1.65	140	170
ACDNR201610MJ-3R3MT	3.3±20%	1MHz/1V	1.90	1.70	1.20	1.35	240	300
ACDNR201610MJ-4R7MT	4.7±20%	1MHz/1V	1.50	1.20	1.00	0.90	370	425
ACDNR201610MJ-6R8MT	6.8±20%	1MHz/1V	1.40	1.10	0.80	0.70	500	600
ACDNR201610MJ-100MT	10±20%	1MHz/1V	0.95	0.80	0.75	0.65	688	826

1 .CORE SIZE 2.16-1.74-0.9

2 .SOLDER Lead-free process (focus)

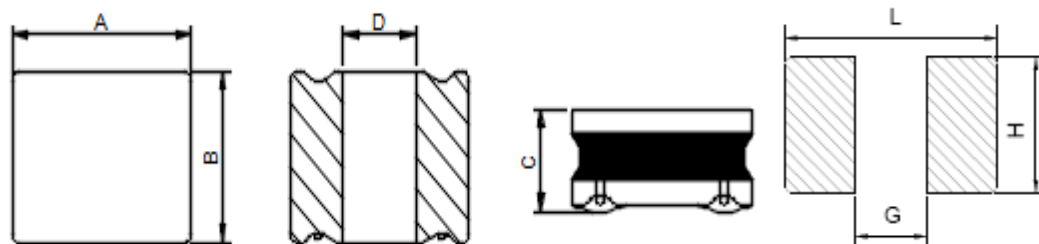
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR252008 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.50	-0.2/+0.4
B	2.00	-0.2/+0.4
C	0.80	Max.
D	0.80	Ref.
L	2.50	Ref.
G	0.80	Ref.
H	2.20	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)
			Typ.	Max.	Typ.	Max.	
ACDNR252008-R47YT	0.47±30%	1M/0.1V	/	1.80	/	1.60	140
ACDNR252008-1R0YT	1.0±30%	1M/0.1V	/	1.40	/	1.40	219
ACDNR252008-1R5YT	1.5±30%	1M/0.1V	/	1.20	/	1.10	248
ACDNR252008-2R2MT	2.2±20%	1M/0.1V	1.40	1.20	0.95	0.85	250
ACDNR252008-3R3MT	3.3±20%	1M/0.1V	/	0.90	/	0.90	416
ACDNR252008-4R7MT	4.7±20%	1M/0.1V	0.90	0.80	0.70	0.63	530
ACDNR252008-6R8MT	6.8±20%	1M/0.1V	0.65	0.75	0.50	0.55	708
ACDNR252008-100MT	10±20%	1M/0.1V	0.55	0.50	0.45	0.41	1070

1 : CORE SIZE 2.65-2.15-0.72

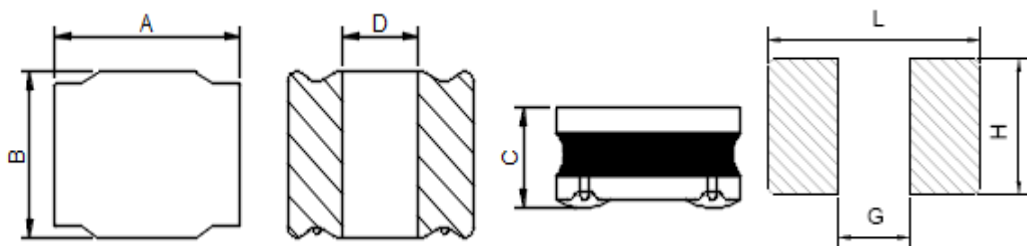
2 : SOLDER Lead-free process (focus)

REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.5	-0.2/+0.4
B	2.0	-0.2/+0.4
C	0.8	Max.
D	0.8	Ref.
L	2.9	Ref.
G	0.8	Ref.
H	2.4	Ref.

II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH) ±20%	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR252008MJ-2R2MT	2.2	1MHz/1V	2.40	2.20	1.50	1.40	215	255
ACDNR252008MJ-4R7MT	4.7	1MHz/1V	1.70	1.40	1.00	0.90	520	620
ACDNR252008MJ-6R8MT	6.8	1MHz/1V	1.20	1.00	0.65	0.55	635	760
ACDNR252008MJ-100MT	10	1MHz/1V	1.10	0.90	0.60	0.50	840	1000

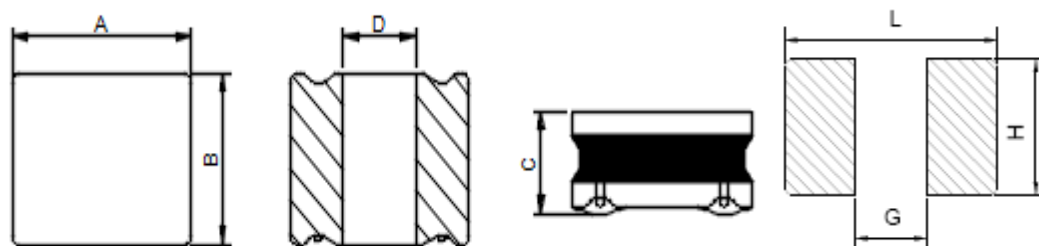
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR252010 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.50	-0.2/+0.4
B	2.00	-0.2/+0.4
C	1.00	Max.
D	0.80	Ref.
L	2.90	Ref.
G	0.80	Ref.
H	2.40	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR252010-2R2MT	2.2±20%	1M/0.1V	1.60	1.55	1.55	1.40	114	137
ACDNR252010-3R3MT	3.3±20%	1M/0.1V	1.12	1.05	1.20	1.08	222	267
ACDNR252010-4R7MT	4.7±20%	1M/0.1V	1.10	0.95	1.05	0.92	250	300
ACDNR252010-6R8MT	6.8±20%	1M/0.1V	0.95	0.80	0.85	0.76	370	444
ACDNR252010-100MT	10±20%	1M/0.1V	0.75	0.65	0.75	0.67	470	564
ACDNR252010-150MT	15±20%	1M/0.1V	0.55	0.45	0.55	0.50	830	996

1 : CORE SIZE 2.65-2.15-0.92

2 : SOLDER Lead-free process (focus)

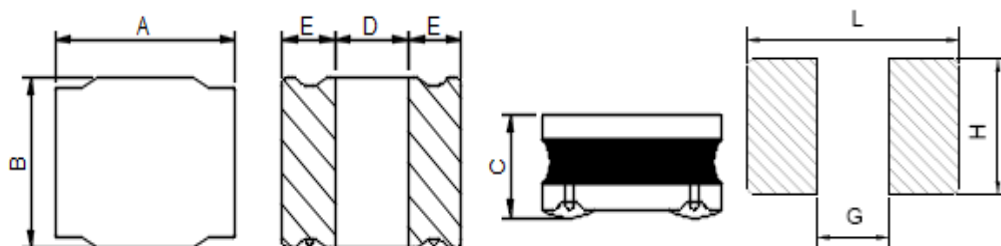
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR252010MK SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.5	±0.4
B	2.0	±0.4
C	1.05	Max.
D	0.8	±0.2
E	0.8	±0.2
L	2.6	Ref.
G	0.6	Ref.
H	2.2	Ref.



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR252010MK-R33NT	0.33±25%	1M/0.25V	5.50	4.80	4.05	3.50	33	39
ACDNR252010MK-R47NT	0.47±25%	1M/0.25V	5.20	4.40	3.70	3.20	38	45
ACDNR252010MK-R68NT	0.68±25%	1M/0.25V	3.60	3.20	3.20	2.75	49	59
ACDNR252010MK-1R0MT	1.0±20%	1M/0.25V	3.50	3.10	2.90	2.50	63	76
ACDNR252010MK-1R5MT	1.5±20%	1M/0.25V	3.00	2.60	2.30	2.00	88	106
ACDNR252010MK-2R2MT	2.2±20%	1M/0.25V	2.20	1.90	1.80	1.50	129	155
ACDNR252010MK-3R3MT	3.3±20%	1M/0.25V	1.80	1.60	1.40	1.20	196	235
ACDNR252010MK-4R7MT	4.7±20%	1M/0.25V	1.50	1.30	1.30	1.10	230	276
ACDNR252010MK-100MT	10±20%	1M/0.25V	1.00	0.90	0.90	0.80	470	520

1 .SOLDER Lead-free process (focus)

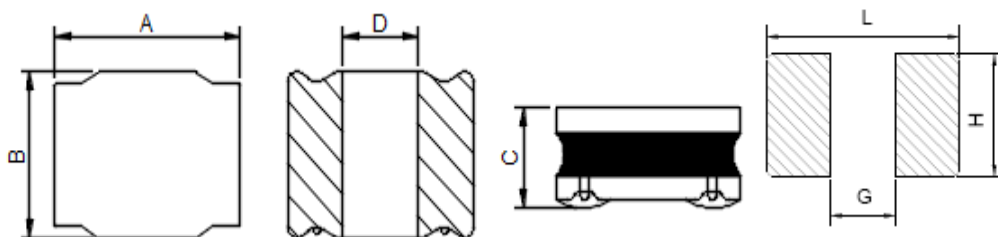
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR252010MJ SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.5	-0.2/+0.4
B	2.0	-0.2/+0.4
C	1.0	Max.
D	0.80	Ref.
R33高度1.0±0.1mm		
L	2.9	Ref.
G	0.8	Ref.
H	2.4	Ref.



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR252010MJ-R24YT	0.24±30%	1MHz/1V	7.20	6.70	4.70	4.00	24	32
ACDNR252010MJ-R33YT	0.33±30%	1MHz/1V	5.60	5.30	4.50	3.85	25	33
ACDNR252010MJ-R47YT	0.47±30%	1MHz/1V	5.50	4.90	3.80	3.20	38	45
ACDNR252010MJ-R68YT	0.68±30%	1MHz/1V	4.20	3.60	3.30	2.80	43	59
ACDNR252010MJ-1R0YT	1.0±30%	1MHz/1V	3.50	3.20	3.00	2.50	59	76
ACDNR252010MJ-1R5YT	1.5±30%	1MHz/1V	3.20	2.70	2.40	2.10	84	101
ACDNR252010MJ-2R2MT	2.2±20%	1MHz/1V	2.30	2.00	1.90	1.60	129	155
ACDNR252010MJ-3R3MT	3.3±20%	1MHz/1V	1.80	1.60	1.40	1.20	196	235
ACDNR252010MJ-4R7MT	4.7±20%	1MHz/1V	1.50	1.30	1.30	1.10	230	276
ACDNR252010MJ-6R8MT	6.8±20%	1MHz/1V	1.10	1.00	1.00	0.90	340	420
ACDNR252010MJ-100MT	10±20%	1MHz/1V	1.30	1.10	0.75	0.80	580	650

1 .CORE SIZE 2.65-2.15-0.91

2 .SOLDER Lead-free process (focus)

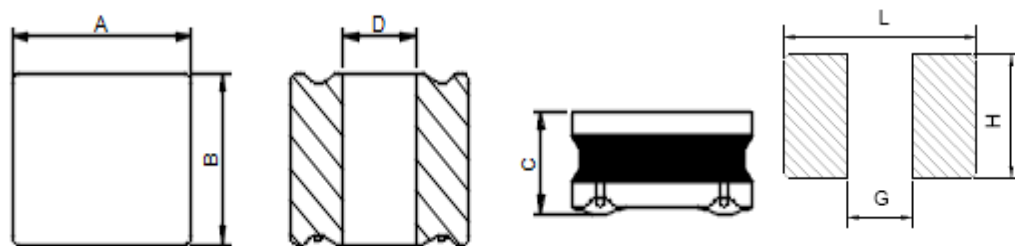
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR252012 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.50	-0.2/+0.3
B	2.00	-0.15/+0.45
C	1.25	Max.
D	0.90	Ref.
L	2.90	Ref.
G	0.80	Ref.
H	2.40	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)
			Max.	Max.	Max.
ACDNR252012-R47YT	0.47±30%	100K/1V	3.30	2.27	56
ACDNR252012-R68YT	0.68±30%	100K/1V	3.06	2.10	88
ACDNR252012-1R0YT	1.0±30%	100K/1V	2.40	2.00	102
ACDNR252012-1R5YT	1.5±30%	100K/1V	2.20	1.80	120
ACDNR252012-2R2NT	2.2±25%	100K/1V	1.80	1.60	198
ACDNR252012-3R3MT	3.3±20%	100K/1V	1.40	1.30	234
ACDNR252012-4R7MT	4.7±20%	100K/1V	1.30	1.00	310
ACDNR252012-6R8MT	6.8±20%	100K/1V	1.00	0.90	480
ACDNR252012-8R2MT	8.2±20%	100K/1V	0.92	0.75	607
ACDNR252012-100MT	10±20%	100K/1V	0.88	0.70	690
ACDNR252012-150MT	15±20%	100K/1V	0.68	0.67	975
ACDNR252012-220MT	22±20%	100K/1V	0.55	0.50	1560

1 : CORE SIZE 2.65-2.15-1.08

2 : SOLDER Lead-free process (focus)

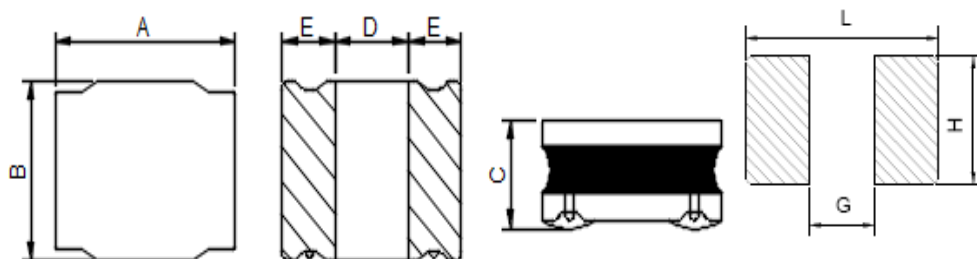
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR252012MK SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.5	±0.4
B	2.0	±0.4
C	1.25	Max.
D	0.8	±0.2
E	0.8	±0.2
L	2.6	Ref.
G	0.6	Ref.
H	2.2	Ref.

II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR252012MK-R33NT	0.33±25%	1M/0.25V	6.20	5.30	4.30	3.70	23	28
ACDNR252012MK-R47NT	0.47±25%	1M/0.25V	5.60	4.90	4.00	3.45	29	35
ACDNR252012MK-R68NT	0.68±25%	1M/0.25V	4.30	3.70	3.60	3.15	36	43
ACDNR252012MK-1R0MT	1.0±20%	1M/0.25V	4.20	3.60	3.40	3.00	48	54
ACDNR252012MK-1R5MT	1.5±20%	1M/0.25V	3.50	2.90	2.80	2.40	80	104
ACDNR252012MK-2R2MT	2.2±20%	1M/0.25V	3.00	2.60	2.15	1.90	100	120
ACDNR252012MK-3R3MT	3.3±20%	1M/0.25V	2.10	1.70	2.05	1.80	136	163
ACDNR252012MK-4R7MT	4.7±20%	1M/0.25V	1.90	1.60	1.45	1.25	225	260
ACDNR252012MK-6R8MT	6.8±20%	1M/0.25V	1.35	1.15	1.10	0.95	305	366
ACDNR252012MK-100MT	10±20%	1M/0.25V	1.35	1.10	1.00	0.85	435	480
ACDNR252012MK-220MT	22±20%	1M/0.25V	0.70	0.59	0.60	0.48	1100	1430

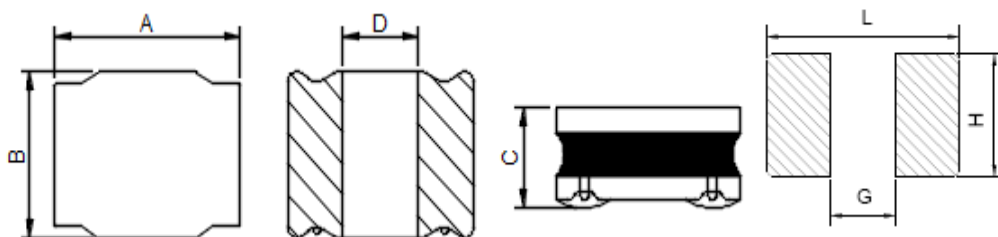
1 .SOLDER Lead-free process (focus)

REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	2.5	-0.2/+0.4
B	2.0	-0.2/+0.4
C	1.2	Max.
D	0.8	Ref.
L	2.9	Ref.
G	0.8	Ref.
H	2.4	Ref.

II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR252012MJ-R24YT	0.24±30%	100KHz/1V	7.80	7.00	4.70	4.05	19	23
ACDNR252012MJ-R33YT	0.33±30%	100KHz/1V	6.20	6.00	4.30	3.70	23	28
ACDNR252012MJ-R47YT	0.47±30%	100KHz/1V	5.60	5.10	4.00	3.45	29	35
ACDNR252012MJ-R68YT	0.68±30%	100KHz/1V	4.30	3.90	3.60	3.15	36	43
ACDNR252012MJ-1R0YT	1.0±30%	100KHz/1V	4.20	3.60	3.40	3.00	48	54
ACDNR252012MJ-1R5YT	1.5±30%	100KHz/1V	3.50	2.90	2.80	2.40	60	72
ACDNR252012MJ-2R2MT	2.2±20%	100KHz/1V	3.00	2.60	2.15	1.90	100	120
ACDNR252012MJ-3R3MT	3.3±20%	100KHz/1V	2.10	1.70	2.05	1.80	136	163
ACDNR252012MJ-4R7MT	4.7±20%	100KHz/1V	1.90	1.60	1.45	1.25	225	260
ACDNR252012MJ-6R8MT	6.8±20%	100KHz/1V	1.35	1.15	1.10	0.95	305	366
ACDNR252012MJ-100MT	10±20%	100KHz/1V	1.35	1.10	1.00	0.85	450	500

1 .CORE SIZE 2.65-2.15-1.1

2 .SOLDER Lead-free process (focus)

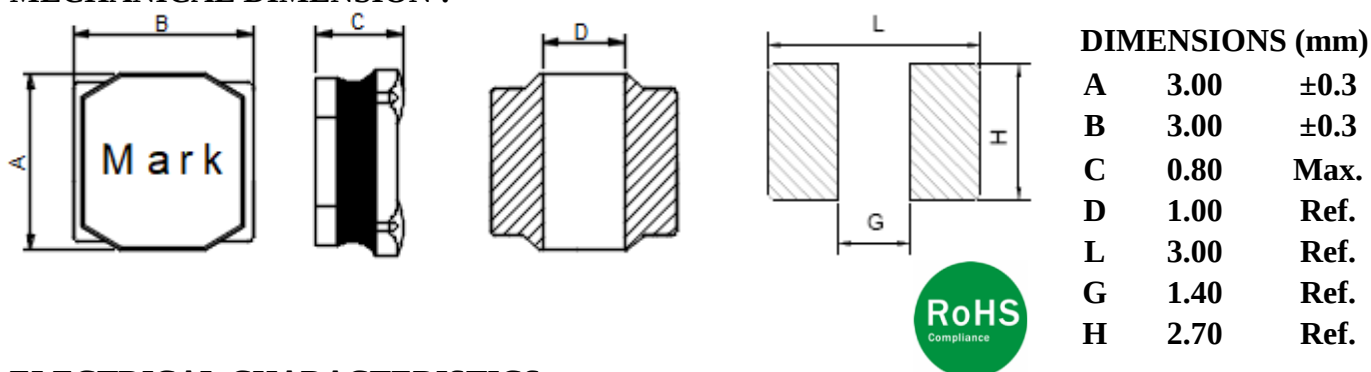
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR3008 SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR3008-2R2YT	2.2±30%	100K/1V	1.20	1.00	212	260
ACDNR3008-3R3NT	3.3±25%	100K/1V	0.75	0.75	257	308
ACDNR3008-4R7NT	4.7±25%	100K/1V	0.85	0.80	424	510
ACDNR3008-6R8MT	6.8±20%	100K/1V	0.50	0.50	483	623
ACDNR3008-100MT	10±20%	100K/1V	0.65	0.65	632	829

1 : CORE SIZE 3.0-3.0-0.72

2 : SOLDER Lead-free process (focus)

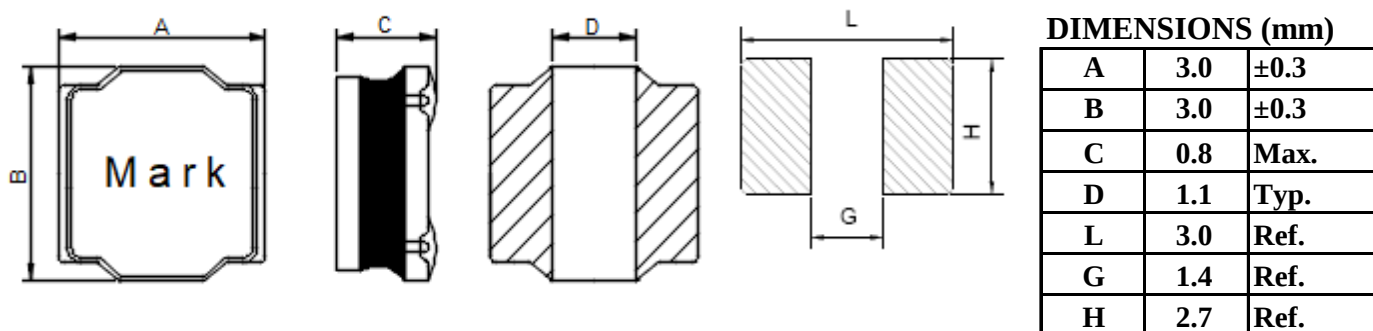
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR3008MJ SERIES

I.MECHANICAL DIMENSION



II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH) ±20%	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR3008MJ-2R2MT	2.2	1MHz/1V	2.50	2.40	1.60	1.50	170	204
ACDNR3008MJ-4R7MT	4.7	1MHz/1V	1.90	1.70	1.20	1.10	333	400
ACDNR3008MJ-6R8MT	6.8	1MHz/1V	1.60	1.40	1.00	0.90	525	630
ACDNR3008MJ-100MT	10	1MHz/1V	1.50	1.30	0.90	0.80	816	980

1 .CORE SIZE 3.1-3.1-0.72

2 .SOLDER Lead-free process (focus)

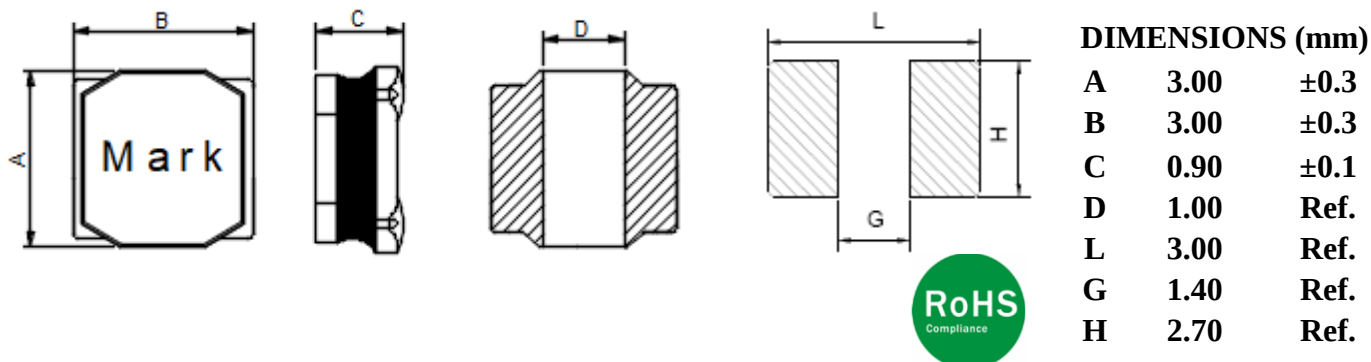
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR3010 SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR3010-1R5YT	1.5±30%	100K/1V	1.50	1.50	112	144
ACDNR3010-2R2NT	2.2±25%	100K/1V	1.30	1.30	120	160
ACDNR3010-3R3NT	3.3±25%	100K/1V	1.20	1.20	190	244
ACDNR3010-4R7NT	4.7±25%	100K/1V	1.10	0.90	275	360
ACDNR3010-6R8MT	6.8±20%	100K/1V	0.90	0.90	400	450
ACDNR3010-8R2MT	8.2±20%	100K/1V	0.70	0.70	408	490
ACDNR3010-100MT	10±20%	100K/1V	0.80	0.80	514	590
ACDNR3010-150MT	15±20%	100K/1V	0.50	0.50	933	1120
ACDNR3010-220MT	22±20%	100K/1V	0.42	0.42	1130	1300

1 : CORE SIZE 3.0-3.0-0.92

2 : SOLDER Lead-free process (focus)

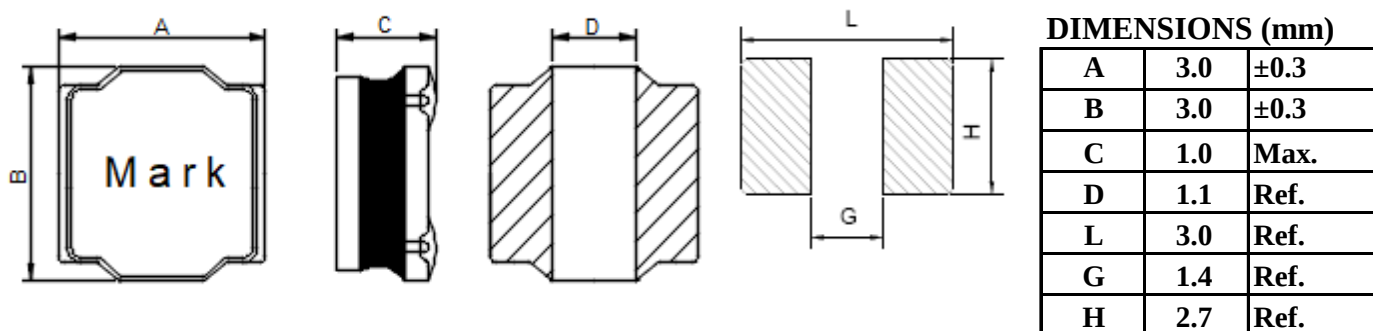
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR3010MJ SERIES

I.MECHANICAL DIMENSION



II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR3010MJ-R24YT	0.24±30%	1MHz/1V	/	5.00	/	4.80	/	32
ACDNR3010MJ-R33YT	0.33±30%	1MHz/1V	/	4.50	/	4.40	/	38
ACDNR3010MJ-R47YT	0.47±30%	1MHz/1V	/	3.50	/	3.30	/	46.2
ACDNR3010MJ-R68YT	0.68±30%	1MHz/1V	/	3.10	/	3.10	/	54.3
ACDNR3010MJ-1R0YT	1.0±30%	1MHz/1V	/	2.50	/	3.00	/	71.5
ACDNR3010MJ-1R5YT	3.3±30%	1MHz/1V	/	1.60	/	1.60	/	231
ACDNR3010MJ-2R2MT	2.2±20%	1MHz/1V	3.90	3.40	2.50	2.20	120	139
ACDNR3010MJ-3R3MT	3.3±20%	1MHz/1V	/	1.60	/	1.60	/	231
ACDNR3010MJ-4R7MT	4.7±20%	1MHz/1V	2.40	2.10	1.50	1.30	220	265
ACDNR3010MJ-6R8MT	6.8±20%	1MHz/1V	2.10	1.80	1.35	1.15	320	384
ACDNR3010MJ-100MT	10±20%	1MHz/1V	1.60	1.30	1.10	0.95	450	487

1 .CORE SIZE

3.1-3.1-0.92

2 .SOLDER

Lead-free process (focus)

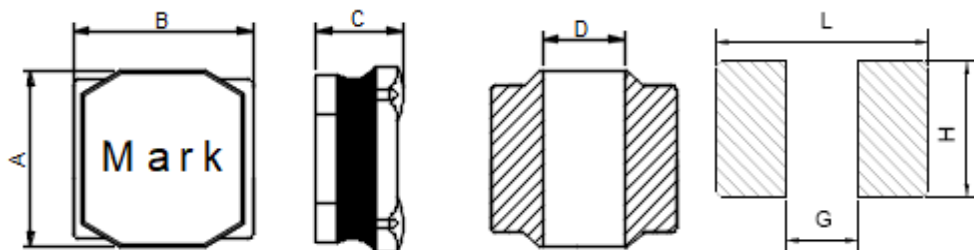
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR3012 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.0	±0.3
B	3.0	±0.3
C	1.2	Max.
D	1.0	Ref.
L	3.0	Ref.
G	1.4	Ref.
H	2.7	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)
			Max.	Max.	Max.
ACDNR3012-2R2MT	2.2±20%	100K/1V	1.10	1.20	100
ACDNR3012-4R7MT	4.7±20%	100K/1V	0.77	0.98	156
ACDNR3012-100MT	10±20%	100K/1V	0.54	0.63	348
ACDNR3012-150MT	15±20%	100K/1V	0.44	0.48	540

1 : CORE SIZE 3.0-3.0-1.05

2 : SOLDER Lead-free process (focus)

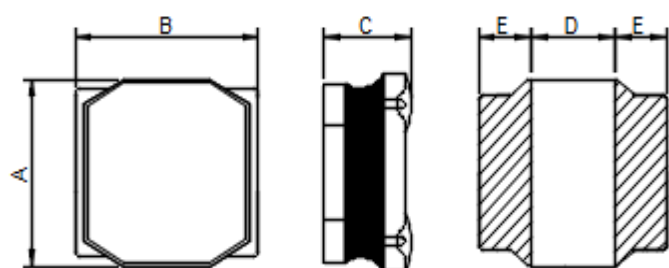
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR3012MK SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	3.0	±0.3
B	3.0	±0.3
C	1.25	Max.
D	1.2	±0.3
E	0.9	±0.3
L	3.1	Ref.
G	1.1	Ref.
H	2.7	Ref.

II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH) ±20%	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR3012MK-1R5MT	1.5	1M/0.25V	4.10	3.40	2.90	2.50	64	74
ACDNR3012MK-2R2MT	2.2	1M/0.25V	3.35	2.80	2.35	2.05	90	108
ACDNR3012MK-3R3MT	3.3	1M/0.25V	2.60	2.20	2.00	1.70	129	155
ACDNR3012MK-4R7MT	4.7	1M/0.25V	2.50	2.00	1.50	1.30	196	235
ACDNR3012MK-6R8MT	6.8	1M/0.25V	1.90	1.60	1.25	1.10	290	340
ACDNR3012MK-100MT	10	1M/0.25V	1.45	1.20	1.15	1.00	395	474

1 .SOLDER Lead-free process (focus)

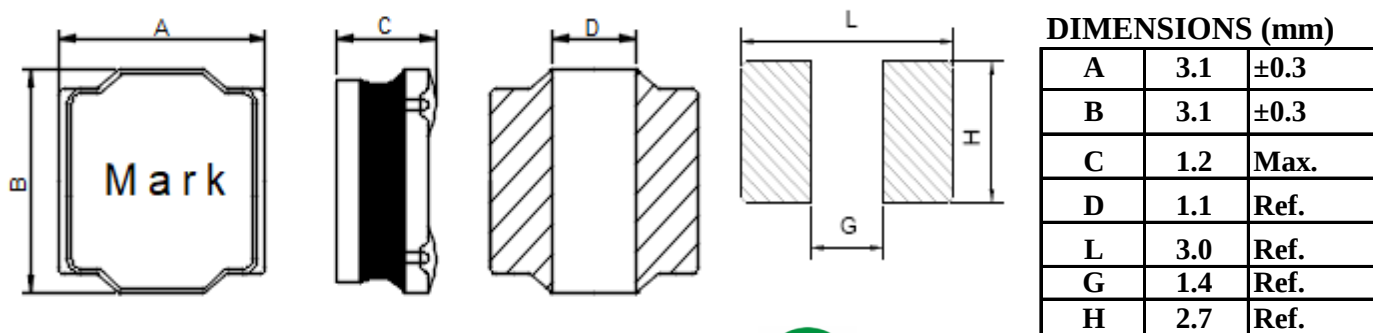
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR3012MJ SERIES

I.MECHANICAL DIMENSION



II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)	Irms(A) ※2(ΔT=40°C)	DCR (mΩ)
			Max.	Max.	Max.
ACDNR3012MJ-1R5YT	1.5±30%	1M/1V	2.4	2.2	88
ACDNR3012MJ-2R2MT	2.2±20%	1M/1V	2.8	2.0	112
ACDNR3012MJ-3R3MT	3.3±20%	1M/1V	2.2	1.5	185
ACDNR3012MJ-4R7MT	4.7±20%	1M/1V	2.0	1.3	235
ACDNR3012MJ-6R8MT	6.8±20%	1M/1V	1.5	1.1	340
ACDNR3012MJ-100MT	10±20%	1M/1V	1.2	1.0	474

1 .CORE SIZE 3.1-3.1-1.1

2 .SOLDER Lead-free process (focus)

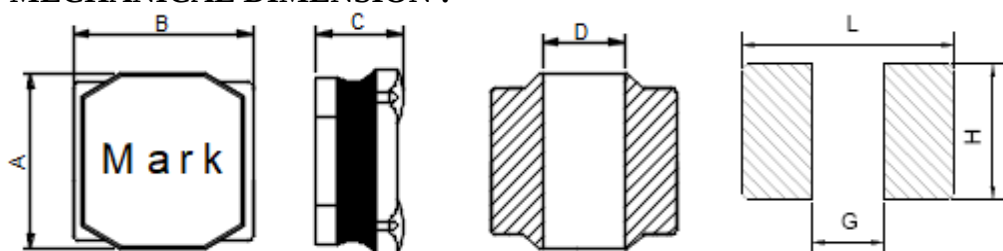
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5°C)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40°C. (Ta=25±5°C)

ACDNR3015 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.00	±0.3
B	3.00	±0.3
C	1.50	Max.
D	1.00	Ref.
L	3.00	Ref.
G	1.40	Ref.
H	2.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR3015-1R0YT	1.0±30%	100K/1V	2.10	2.10	40	48
ACDNR3015-1R5YT	1.5±30%	100K/1V	1.60	2.40	74	97
ACDNR3015-2R2MT	2.2±20%	100K/1V	1.48	1.60	60	72
ACDNR3015-4R7MT	4.7±25%	100K/1V	1.08	1.20	113	136
ACDNR3015-6R8MT	6.8±20%	100K/1V	1.00	0.90	250	300
ACDNR3015-100MT	10±20%	100K/1V	0.70	0.70	270	325
ACDNR3015-150MT	15±20%	100K/1V	0.70	0.65	492	590
ACDNR3015-220MT	22±20%	100K/1V	0.60	0.60	716	860
ACDNR3015-470MT	47±20%	100K/1V	0.40	0.35	1750	2100

1 : CORE SIZE 3.0-3.0-1.35

2 : SOLDER Lead-free process (focus)

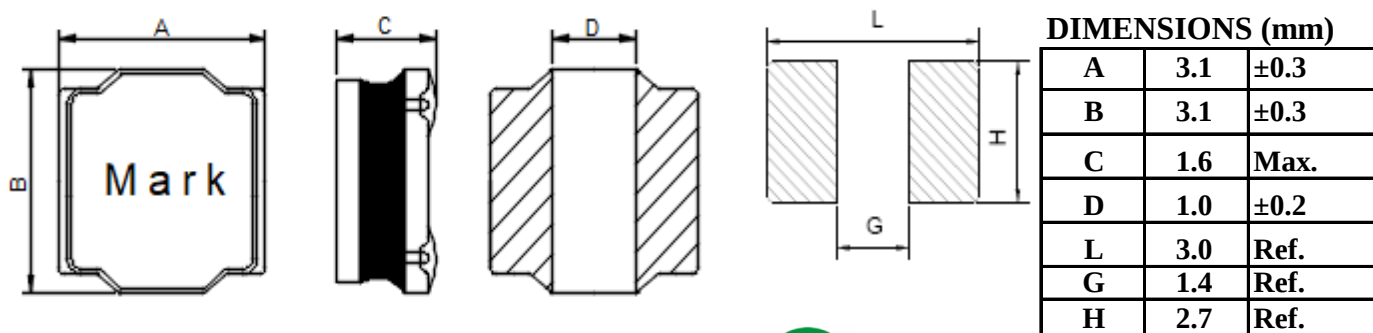
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR3015MJ SERIES

I.MECHANICAL DIMENSION



II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)	Irms(A) ※2(ΔT=40℃)	DCR (mΩ)
			Max.	Max.	Max.
ACDNR3015MJ-1R0YT	1.0±30%	1M/1V	5.0	3.9	52
ACDNR3015MJ-1R5YT	1.5±30%	1M/1V	4.4	3.0	72
ACDNR3015MJ-2R2MT	2.2±20%	1M/1V	2.9	2.7	105
ACDNR3015MJ-3R3MT	3.3±20%	1M/1V	2.5	2.1	120
ACDNR3015MJ-4R7MT	4.7±20%	1M/1V	2.1	1.8	170
ACDNR3015MJ-6R8MT	6.8±20%	1M/1V	1.9	1.6	240
ACDNR3015MJ-100MT	10±20%	1M/1V	1.5	1.2	320

1 .CORE SIZE 3.1-3.1-1.1

2 .SOLDER Lead-free process (focus)

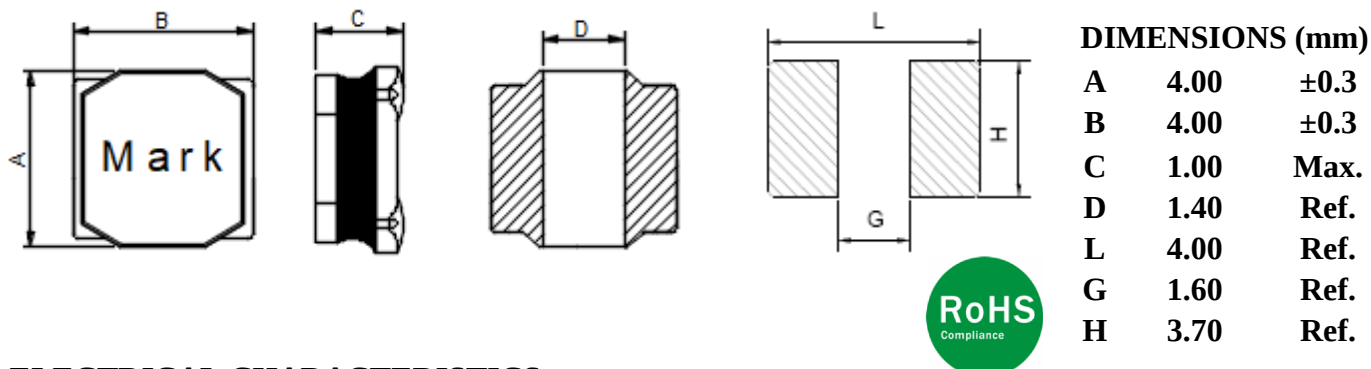
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4010 SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR4010-2R2NT	2.2±25%	100K/1V	1.80	1.60	117	140
ACDNR4010-3R3NT	3.3±25%	100K/1V	1.40	1.20	151	197
ACDNR4010-4R7MT	4.7±20%	100K/1V	1.30	1.20	-	204
ACDNR4010-6R8MT	6.8±20%	100K/1V	1.00	1.00	283	320
ACDNR4010-100MT	10±20%	100K/1V	0.80	0.80	340	360
ACDNR4010-150MT	15±20%	100K/1V	0.65	0.65	500	600
ACDNR4010-220MT	22±20%	100K/1V	0.40	0.40	809	1080

1 : CORE SIZE 4.0-4.0-0.9

2 : SOLDER Lead-free process (focus)

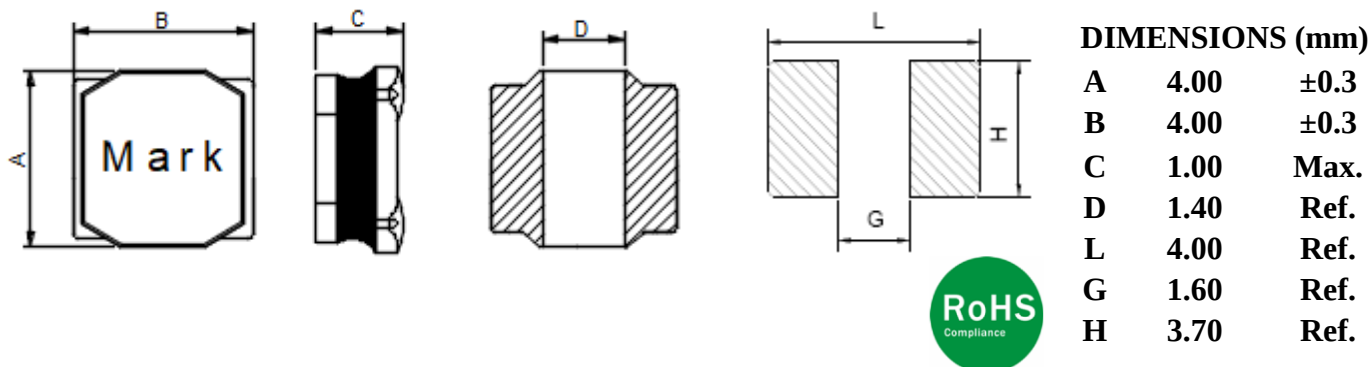
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4010HY SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR4010HY-2R2MT	2.2±20%	100K/1V	2.10	1.80	117	140
ACDNR4010HY-3R3MT	3.3±20%	100K/1V	1.80	1.50	151	197
ACDNR4010HY-4R7MT	4.7±20%	100K/1V	1.50	1.40	195	240
ACDNR4010HY-6R8MT	6.8±20%	100K/1V	1.20	1.15	283	320
ACDNR4010HY-100MT	10±20%	100K/1V	1.00	1.00	340	360
ACDNR4010HY-150MT	15±20%	100K/1V	0.85	0.85	571	685
ACDNR4010HY-220MT	22±20%	100K/1V	0.65	0.65	750	920

- 1 : CORE SIZE 4.0-4.0-0.92
- 2 : SOLDER Lead-free process (focus)

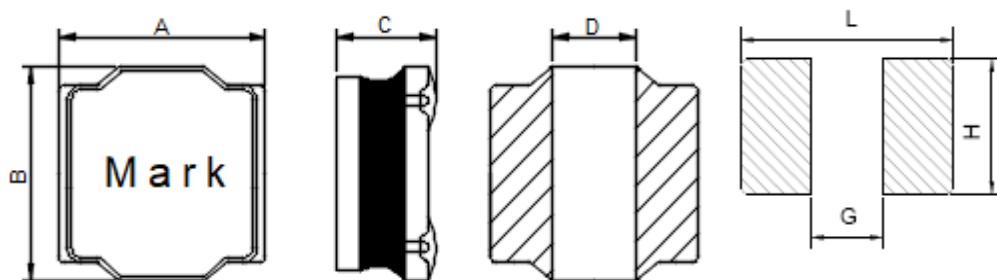
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5°C)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40°C. (Ta=25±5°C)

ACDNR4010MJ SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.1	±0.3
B	4.1	±0.3
C	1.0	Max.
D	1.8	±0.2
R24~2R2高度1.05mm Max.		
L	4.0	Ref.
G	1.6	Ref.
H	3.7	Ref.



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR4010MJ-R24YT	0.24±30%	1MHz/1V	9.50	8.00	5.20	4.70	23	29
ACDNR4010MJ-R33YT	0.33±30%	1MHz/1V	8.40	7.50	4.20	3.60	30	40
ACDNR4010MJ-R47YT	0.47±30%	1MHz/1V	5.50	4.70	4.00	3.50	30	40
ACDNR4010MJ-R68YT	0.68±30%	1MHz/1V	5.30	4.20	4.00	3.30	38	48
ACDNR4010MJ-1R0YT	1.0±30%	1MHz/1V	4.00	3.50	3.20	2.90	45	56
ACDNR4010MJ-1R5YT	1.5±30%	1MHz/1V	3.80	3.30	3.00	2.60	64	80
ACDNR4010MJ-2R2MT	2.2±20%	1MHz/1V	3.00	2.20	2.90	2.20	75	90
ACDNR4010MJ-3R3MT	3.3±20%	1MHz/1V	2.80	2.10	2.10	1.80	110	143
ACDNR4010MJ-4R7MT	4.7±20%	1MHz/1V	2.10	1.60	2.00	1.60	150	192
ACDNR4010MJ-6R8MT	6.8±20%	1MHz/1V	1.90	1.50	1.60	1.30	220	280
ACDNR4010MJ-100MT	10±20%	1MHz/1V	1.30	1.20	1.40	1.00	280	348
ACDNR4010MJ-150MT	15±20%	1MHz/1V	1.00	0.90	1.20	0.80	420	528
ACDNR4010MJ-220MT	22±20%	1MHz/1V	0.90	0.80	0.95	0.70	660	804

1 .CORE SIZE 4.1-4.1-0.92

2 .SOLDER Lead-free process (focus)

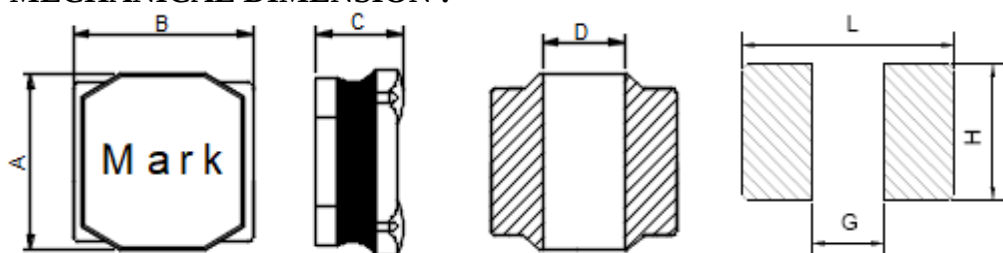
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4012 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	4.00	±0.3
B	4.00	±0.3
C	1.20	Max.
D	1.40	Ref.
L	4.00	Ref.
G	1.60	Ref.
H	3.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR4012-1R0YT	1.0±30%	100K/1V	2.50	2.40	46	60
ACDNR4012-2R2NT	2.2±25%	100K/1V	1.90	1.90	98	140
ACDNR4012-3R3NT	3.3±25%	100K/1V	1.40	1.40	133	160
ACDNR4012-4R7NT	4.7±25%	100K/1V	1.30	1.20	165	180
ACDNR4012-6R8MT	6.8±20%	100K/1V	1.10	1.10	229	280
ACDNR4012-8R2MT	8.2±20%	100K/1V	1.00	1.00	310	370
ACDNR4012-100MT	10±20%	100K/1V	1.00	1.00	380	456
ACDNR4012-150MT	15±20%	100K/1V	0.80	0.80	541	650
ACDNR4012-220MT	22±20%	100K/1V	0.50	0.50	600	720

1 : CORE SIZE Ferrite Core

2 : SOLDER Lead-free process (focus)

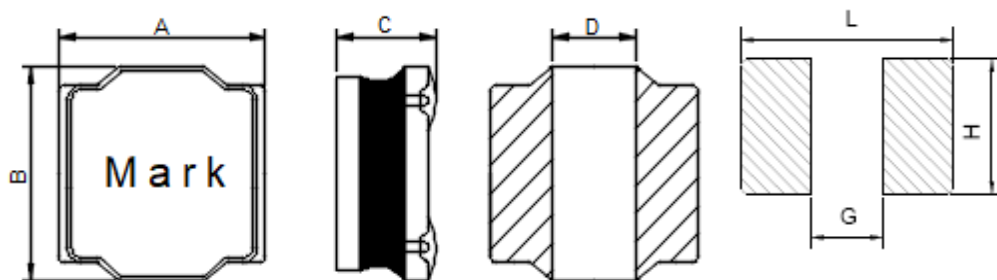
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5°C)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40°C. (Ta=25±5°C)

ACDNR4012MJ SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.1	±0.3
B	4.1	±0.3
C	1.2	Max.
D	1.8	±0.2
R47~4R7高度1.25mm Max.		
L	4.0	Ref.
G	1.6	Ref.
H	3.7	Ref.



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR4012MJ-R47YT	0.47±30%	1MHz/1V	7.50	6.00	3.70	3.00	36	43
ACDNR4012MJ-R68YT	0.68±30%	1MHz/1V	6.90	5.00	3.50	2.80	46	60
ACDNR4012MJ-1R0YT	1.0±30%	1MHz/1V	5.40	4.50	3.30	2.70	51	65
ACDNR4012MJ-1R5YT	1.5±30%	1MHz/1V	4.00	3.00	3.00	2.60	64	86
ACDNR4012MJ-2R2MT	2.2±20%	1MHz/1V	3.20	2.50	2.80	2.40	90	110
ACDNR4012MJ-3R3MT	3.3±20%	1MHz/1V	2.90	2.40	2.60	2.20	120	150
ACDNR4012MJ-4R7MT	4.7±20%	1MHz/1V	2.60	2.10	2.30	1.70	135	195
ACDNR4012MJ-6R8MT	6.8±20%	1MHz/1V	2.00	1.60	1.80	1.50	185	230
ACDNR4012MJ-100MT	10±20%	1MHz/1V	1.80	1.30	1.60	1.10	250	310
ACDNR4012MJ-150MT	15±20%	1MHz/1V	1.50	1.10	1.25	0.90	400	500
ACDNR4012MJ-220MT	22±20%	1MHz/1V	1.20	0.80	1.10	0.70	530	680

1 .CORE SIZE 4.1-4.1-1.1

2 .SOLDER Lead-free process (focus)

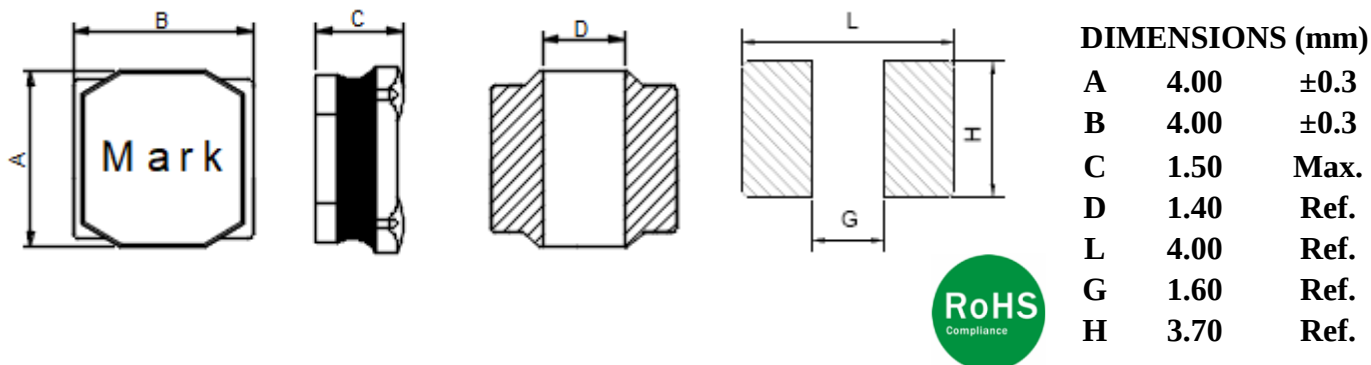
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4015LL SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)
			Max.	Max.	Max.
ACDNR4015LL-2R2NT	2.2±25%	100K/1V	2.6	2.6	84

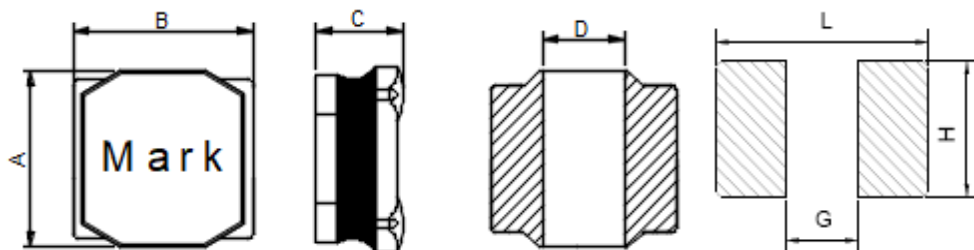
- 1 : CORE SIZE 4.0-4.0-1.35
- 2 : SOLDER Lead-free process (focus)

REMARK :

- ※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)
- ※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4018LL SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	4.00	±0.3
B	4.00	±0.3
C	1.80	Max.
D	1.40	Ref.
L	4.00	Ref.
G	1.60	Ref.
H	3.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)
			Max.	Max.	Max.
ACDNR4018LL-1R0YT	1.0±30%	100K/1V	3.80	2.00	36
ACDNR4018LL-1R5YT	1.5±30%	100K/1V	3.30	1.70	52
ACDNR4018LL-2R2MT	2.2±20%	100K/1V	2.70	1.65	72
ACDNR4018LL-3R3MT	3.3±20%	100K/1V	2.45	1.23	91
ACDNR4018LL-4R7MT	4.7±20%	100K/1V	1.70	1.20	117
ACDNR4018LL-5R6MT	5.6±20%	100K/1V	1.60	1.10	124
ACDNR4018LL-6R8MT	6.8±20%	100K/1V	1.45	1.06	143
ACDNR4018LL-100MT	10±20%	100K/1V	1.30	0.84	234
ACDNR4018LL-150MT	15±20%	100K/1V	0.96	0.65	351
ACDNR4018LL-220MT	22±20%	100K/1V	0.80	0.59	468
ACDNR4018LL-330MT	33±20%	100K/1V	0.65	0.49	689
ACDNR4018LL-470MT	47±20%	100K/1V	0.57	0.42	845
ACDNR4018LL-680MT	68±20%	100K/1V	0.47	0.32	1600
ACDNR4018LL-101MT	100±20%	100K/1V	0.40	0.27	2275

1 : CORE SIZE 4.0-4.0-1.65

2 : SOLDER Lead-free process (focus)

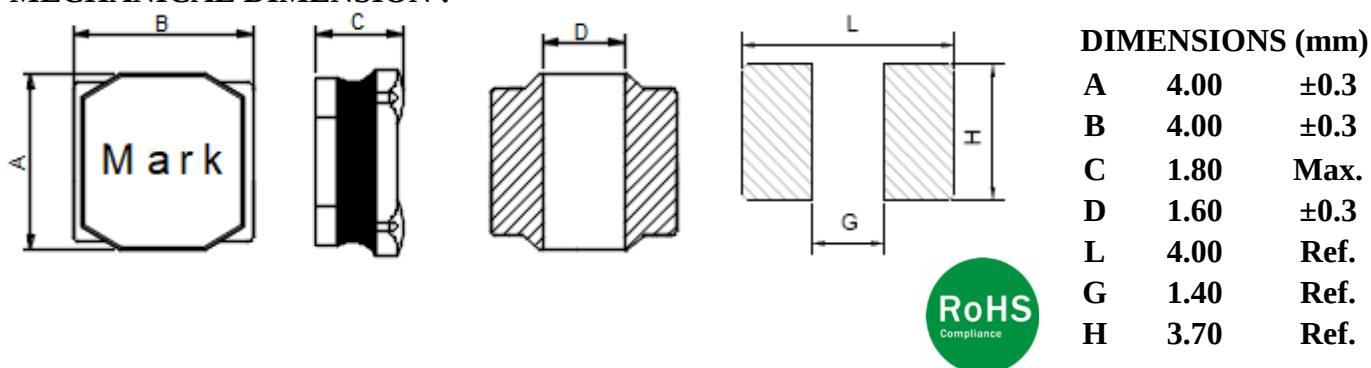
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4018K SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR4018K-1R0YT	1.0±30%	100K/1V	4.2	2	25	33
ACDNR4018K-1R5YT	1.5±30%	100K/1V	3.35	1.8	30	39
ACDNR4018K-2R2MT	2.2±20%	100K/1V	2.7	1.65	45	59
ACDNR4018K-3R3MT	3.3±20%	100K/1V	2.45	1.23	70	91
ACDNR4018K-4R7MT	4.7±20%	100K/1V	1.7	1.2	90	117
ACDNR4018K-6R8MT	6.8±20%	100K/1V	1.45	1.06	110	143
ACDNR4018K-100MT	10±20%	100K/1V	1.3	0.84	180	234
ACDNR4018K-150MT	15±20%	100K/1V	0.94	0.65	250	330
ACDNR4018K-220MT	22±20%	100K/1V	0.8	0.59	360	468
ACDNR4018K-330MT	33±20%	100K/1V	0.56	0.49	530	689
ACDNR4018K-470MT	47±20%	100K/1V	0.57	0.42	650	845
ACDNR4018K-680MT	68±20%	100K/1V	0.47	0.32	1000	1300
ACDNR4018K-101MT	100±20%	100K/1V	0.4	0.25	1750	2275
ACDNR4018K-151MT	150±20%	100K/1V	0.31	0.22	2500	3300

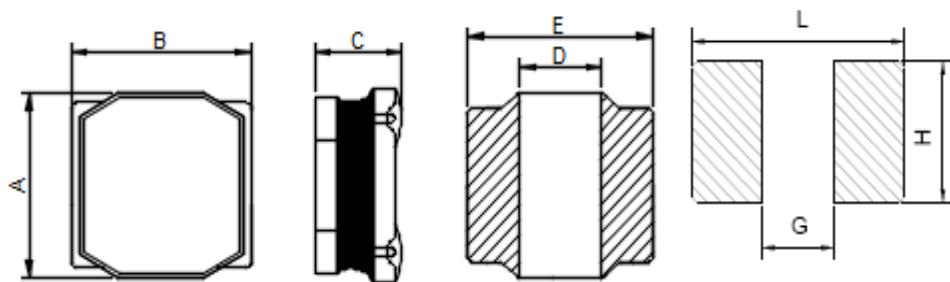
- 1 : CORE SIZE Ferrite Core
- 2 : SOLDER Lead-free process (focus)

REMARK :

- ※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)
- ※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4018MJ SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.1	±0.3
B	4.1	±0.3
C	1.8	Max.
D	1.8	±0.2
E	4.1	±0.2
L	4.0	Ref.
G	1.6	Ref.
H	3.7	Ref.

II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)	Irms(A) ※2(ΔT=40℃)	DCR (mΩ)
			Max.	Max.	Max.
ACDNR4018MJ-R68YT	0.68±30%	1M/1V	7.5	4.0	34
ACDNR4018MJ-1R0YT	1.0±30%	1M/1V	6.5	3.2	42
ACDNR4018MJ-1R5YT	1.5±30%	1M/1V	5.5	3.0	52
ACDNR4018MJ-2R2MT	2.2±20%	1M/1V	4.3	2.8	65
ACDNR4018MJ-3R3MT	3.3±20%	1M/1V	3.8	2.2	90
ACDNR4018MJ-4R7MT	4.7±20%	1M/1V	3.0	1.7	120
ACDNR4018MJ-6R8MT	6.8±20%	1M/1V	2.6	1.6	180
ACDNR4018MJ-100MT	10±20%	1M/1V	2.0	1.4	220
ACDNR4018MJ-150MT	15±20%	1M/1V	1.6	1.1	336
ACDNR4018MJ-220MT	22±20%	1M/1V	1.3	1.1	450

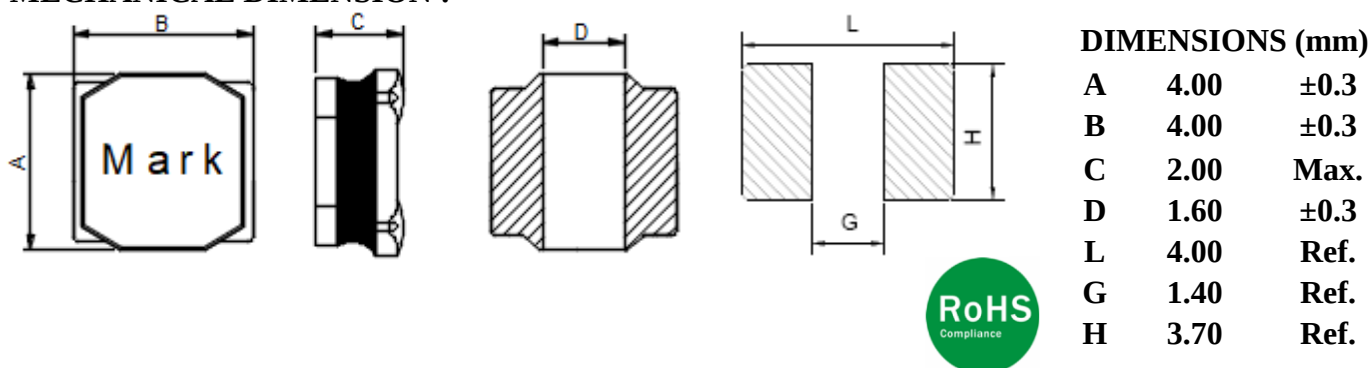
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4020K SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR4020K-1R0YT	1.0±30%	100K/1V	4.78	2.15	29	38
ACDNR4020K-1R2YT	1.2±30%	100K/1V	5.1	2.15	29	38
ACDNR4020K-1R5YT	1.5±30%	100K/1V	4.45	1.98	35	46
ACDNR4020K-2R2YT	2.2±30%	100K/1V	3.4	1.85	40	52
ACDNR4020K-3R3MT	3.3±20%	100K/1V	3.2	1.4	70	91
ACDNR4020K-4R7MT	4.7±20%	100K/1V	2.35	1.34	75	98
ACDNR4020K-5R6MT	5.6±20%	100K/1V	2.2	1.22	90	117
ACDNR4020K-6R8MT	6.8±20%	100K/1V	2	1.04	125	163
ACDNR4020K-8R2MT	8.2±20%	100K/1V	1.75	1.04	125	163
ACDNR4020K-100MT	10±20%	100K/1V	1.6	0.9	165	215
ACDNR4020K-150MT	15±20%	100K/1V	1.35	0.77	230	299
ACDNR4020K-220MT	22±20%	100K/1V	1.05	0.62	350	455
ACDNR4020K-330MT	33±20%	100K/1V	0.85	0.49	550	715
ACDNR4020K-470MT	47±20%	100K/1V	0.74	0.44	710	923
ACDNR4020K-560MT	56±20%	100K/1V	0.66	0.41	800	1040
ACDNR4020K-680MT	68±20%	100K/1V	0.61	0.36	1060	1378
ACDNR4020K-820MT	82±20%	100K/1V	0.5	0.34	1170	1521
ACDNR4020K-101MT	100±20%	100K/1V	0.48	0.31	1550	2015

1 : CORE SIZE Ferrite Core

2 : SOLDER Lead-free process (focus)

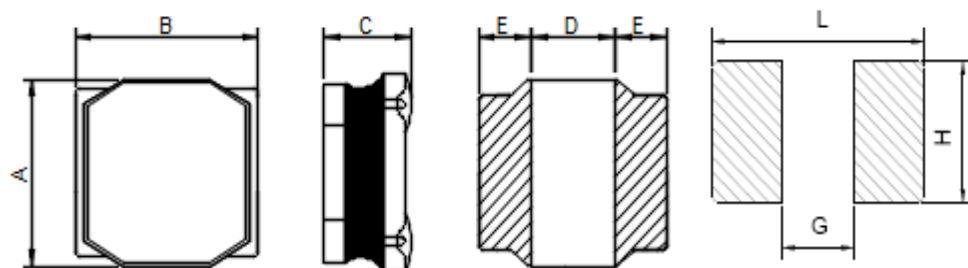
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4020MK SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.0	±0.3
B	4.0	±0.3
C	2.0	Max.
D	1.4	±0.3
E	1.3	±0.3
L	4.7	Ref.
G	0.9	Ref.
H	3.7	Ref.

II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)		Irms(A) ※2(ΔT=40℃)		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR4020MK-R22NT	0.22±25%	1M/0.25V	22.0	18.7	9.50	8.20	11	13
ACDNR4020MK-R47NT	0.47±25%	1M/0.25V	15.5	13.4	7.40	6.40	18	22
ACDNR4020MK-R68NT	0.68±25%	1M/0.25V	11.1	8.70	7.40	6.40	18	22
ACDNR4020MK-1R0MT	1.0±20%	1M/0.25V	11.1	8.70	6.70	5.80	22	26
ACDNR4020MK-1R5MT	1.5±20%	1M/0.25V	9.60	7.70	6.00	5.20	30	36
ACDNR4020MK-2R2MT	2.2±20%	1M/0.25V	7.60	6.10	5.00	4.30	40	48
ACDNR4020MK-3R3MT	3.3±20%	1M/0.25V	5.90	4.70	4.00	3.45	60	72
ACDNR4020MK-4R7MT	4.7±20%	1M/0.25V	4.90	4.00	3.30	2.85	90	108
ACDNR4020MK-6R8MT	6.8±20%	1M/0.25V	4.20	3.00	2.80	2.40	130	156
ACDNR4020MK-100MT	10±20%	1M/0.25V	3.50	2.80	2.35	2.00	180	216

1 .SOLDER Lead-free process (focus)

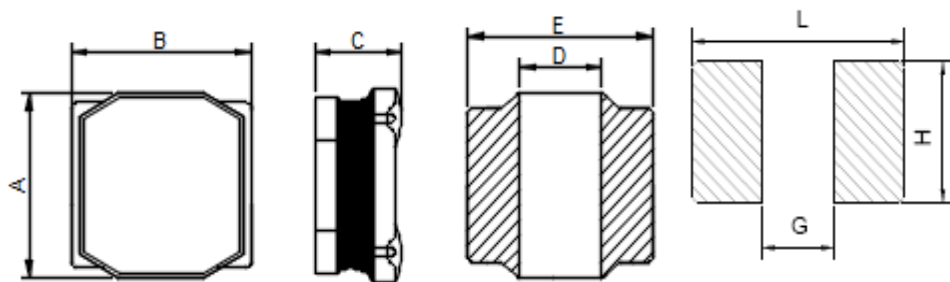
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4020MJ SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	4.1	±0.3
B	4.1	±0.3
C	2.0	Max.
D	1.8	±0.2
E	4.0	±0.2
L	4.0	Ref.
G	1.6	Ref.
H	3.7	Ref.

II.ELECTRICAL CHARACTERISTICS



Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)	Irms(A) ※2(ΔT=40℃)	DCR (mΩ)
			Max.	Max.	Max.
ACDNR4020MJ-1R0YT	1.0±30%	1M/1V	7.8	3.5	35
ACDNR4020MJ-1R5YT	1.5±30%	1M/1V	6.1	3.3	46
ACDNR4020MJ-2R2MT	2.2±20%	1M/1V	5.1	3.0	60
ACDNR4020MJ-3R3MT	3.3±20%	1M/1V	4.7	2.7	95
ACDNR4020MJ-4R7MT	4.7±20%	1M/1V	3.6	2.0	132
ACDNR4020MJ-5R6MT	5.6±20%	1M/1V	3.6	1.85	160
ACDNR4020MJ-6R8MT	6.8±20%	1M/1V	3.5	1.8	180

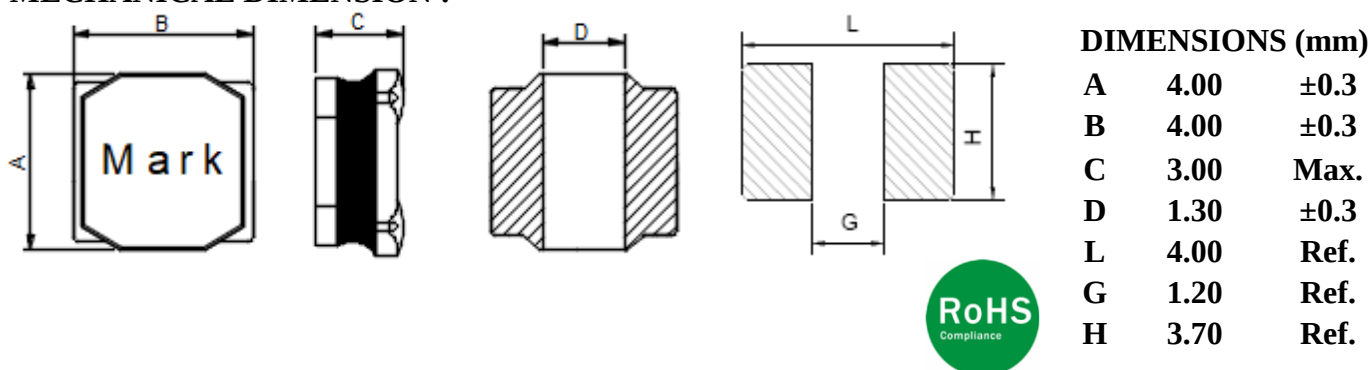
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR4030K SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR4030K-1R0YT	1.0±30%	100K/1V	5.26	4.14	16	21
ACDNR4030K-1R5YT	1.5±30%	100K/1V	4.84	3.34	20	26
ACDNR4030K-2R2YT	2.2±30%	100K/1V	4.4	2.95	30	39
ACDNR4030K-3R3MT	3.3±20%	100K/1V	3.3	2.4	40	52
ACDNR4030K-4R7MT	4.7±20%	100K/1V	2.9	2	60	78
ACDNR4030K-6R8MT	6.8±20%	100K/1V	2.75	1.6	90	117
ACDNR4030K-100MT	10±20%	100K/1V	1.95	1.5	100	130
ACDNR4030K-150MT	15±20%	100K/1V	1.65	1.11	190	247
ACDNR4030K-220MT	22±20%	100K/1V	1.3	1	225	293
ACDNR4030K-330MT	33±20%	100K/1V	1.1	0.84	330	429
ACDNR4030K-470MT	47±20%	100K/1V	0.95	0.72	445	579
ACDNR4030K-680MT	68±20%	100K/1V	0.72	0.52	868	1128
ACDNR4030K-101MT	100±20%	100K/1V	0.6	0.45	1150	1495
ACDNR4030K-151MT	150±20%	100K/1V	0.5	0.3	1800	2340
ACDNR4030K-221MT	220±20%	100K/1V	0.4	0.35	2500	3250
ACDNR4030K-331MT	330±20%	100K/1V	0.3	0.25	4000	5200

1 : CORE SIZE Ferrite Core

2 : SOLDER Lead-free process (focus)

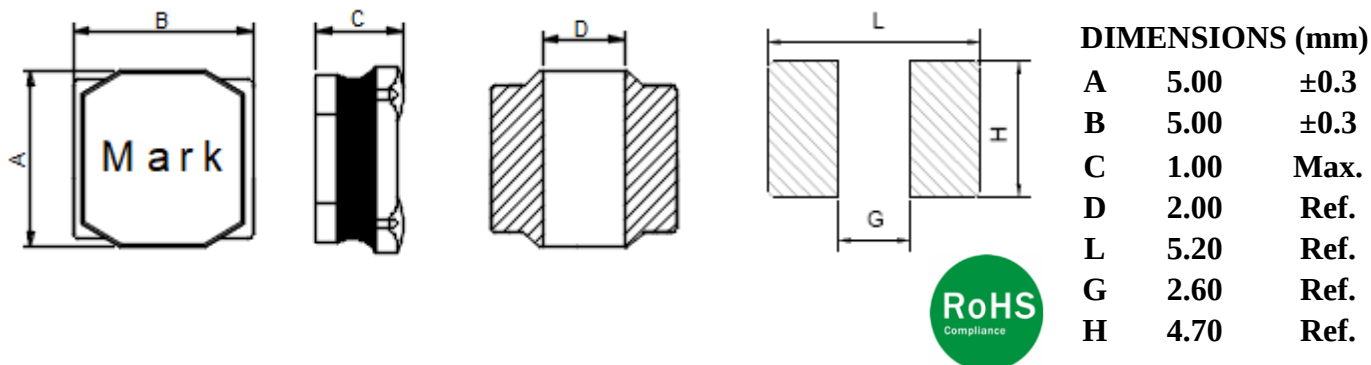
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR5010 SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR5010-2R2MT	2.2±20%	100K/1V	1.80	1.40	-	135
ACDNR5010-3R3NT	3.3±25%	100K/1V	1.60	1.50	130	144
ACDNR5010-4R7NT	4.7±25%	100K/1V	1.30	1.30	137	168
ACDNR5010-6R8MT	6.8±20%	100K/1V	1.10	1.10	213	260
ACDNR5010-100MT	10±20%	100K/1V	0.90	0.90	383	460
ACDNR5010-150MT	15±20%	100K/1V	0.80	0.80	425	510
ACDNR5010-220MT	22±20%	100K/1V	0.70	0.70	577	693

1 : CORE SIZE 5.0-5.0-0.93

2 : SOLDER Lead-free process (focus)

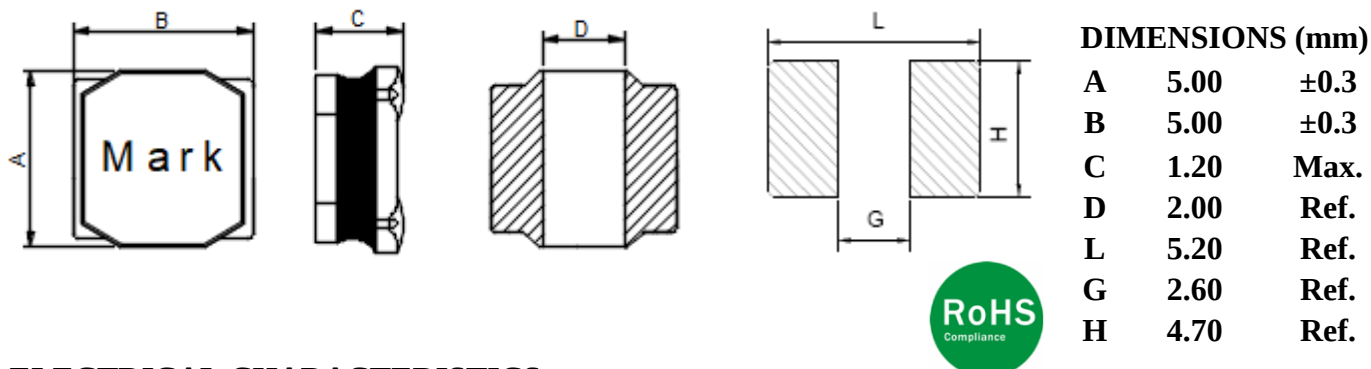
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR5012 SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR5012-1R0YT	1.0±30%	100K/1V	3.00	2.50	/	79
ACDNR5012-1R5YT	1.5±30%	100K/1V	2.70	2.40	/	91
ACDNR5012-2R2MT	2.2±20%	100K/1V	2.00	1.90	80	105
ACDNR5012-3R3MT	3.3±20%	100K/1V	1.90	1.70	103	155
ACDNR5012-4R7MT	4.7±20%	100K/1V	1.50	1.40	146	156
ACDNR5012-6R8MT	6.8±20%	100K/1V	1.30	1.30	167	192
ACDNR5012-8R2MT	8.2±20%	100K/1V	1.20	1.20	215	240
ACDNR5012-100MT	10±20%	100K/1V	1.00	1.00	239	252
ACDNR5012-150MT	15±20%	100K/1V	0.80	1.08	266	320
ACDNR5012-220MT	22±20%	100K/1V	0.80	0.60	738	880

1 : CORE SIZE 5.0-5.0-1.1

2 : SOLDER Lead-free process (focus)

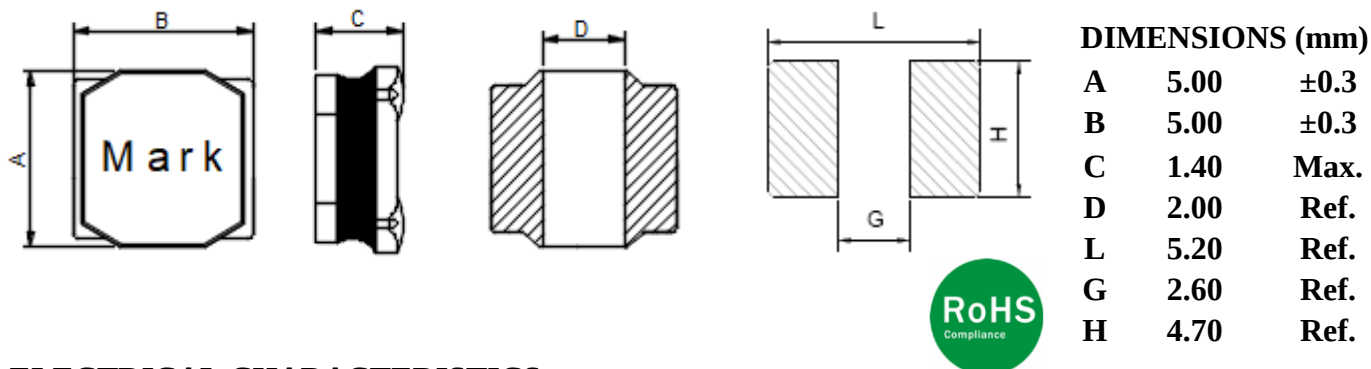
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR5014 SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR5014-2R2NT	2.2±25%	100K/1V	3.00	2.50	109	150
ACDNR5014-3R3NT	3.3±25%	100K/1V	2.90	2.10	146	180
ACDNR5014-4R7NT	4.7±25%	100K/1V	2.40	1.80	190	233
ACDNR5014-6R8MT	6.8±20%	100K/1V	1.90	1.50	280	340
ACDNR5014-100MT	10±20%	100K/1V	1.80	1.20	365	438
ACDNR5014-150MT	15±20%	100K/1V	1.50	0.85	525	630
ACDNR5014-220MT	22±20%	100K/1V	1.20	0.85	808	973

1 : CORE SIZE 5.0-5.0-1.25

2 : SOLDER Lead-free process (focus)

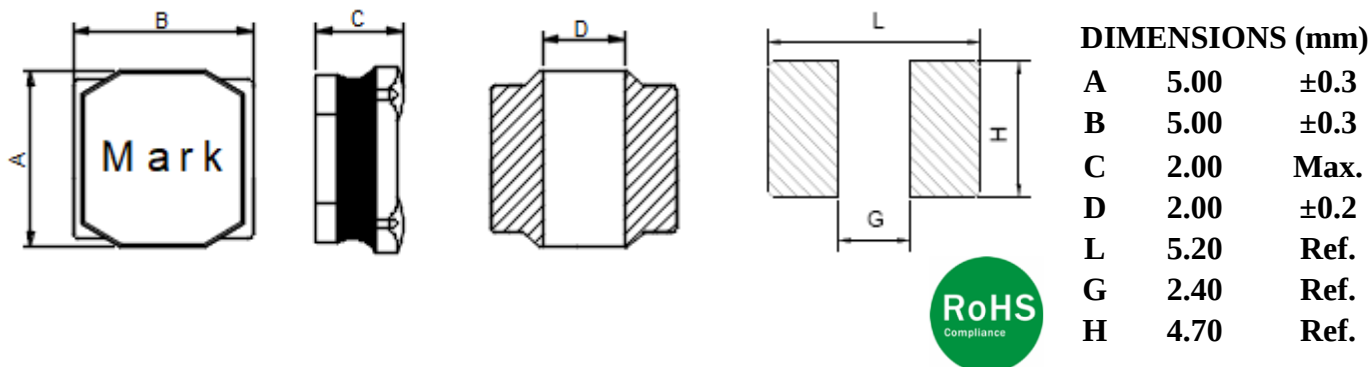
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR5020 SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR5020-4R7MT	4.7±20%	100K/1V	-	2.20	-	2.00	-	110
ACDNR5020-100MT	10±20%	100K/1V	1.70	-	1.55	-	110	143

1 : CORE SIZE 5.0-5.0-1.8

2 : SOLDER Lead-free process (focus)

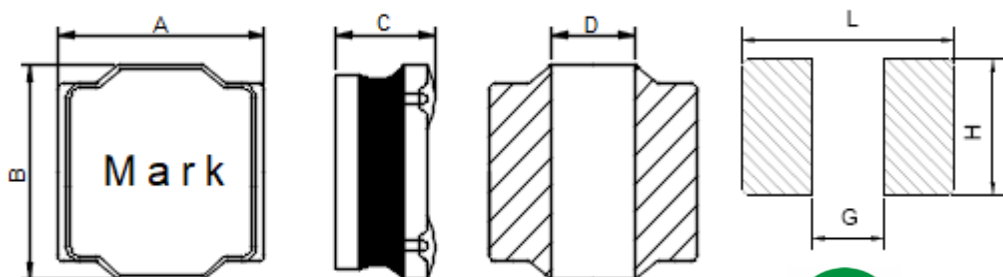
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR5020K SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	5.00	±0.3
B	5.00	±0.3
C	2.10	Max.
D	1.40	±0.3
L	5.50	Ref.
G	0.90	Ref.
H	4.20	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR5020K-1R0YT	1.0±30%	100K/1V	4.1	3.8	20	26
ACDNR5020K-1R5YT	1.5±30%	100K/1V	4.1	3.2	30	39
ACDNR5020K-2R2YT	2.2±30%	100K/1V	3.2	2.7	40	52
ACDNR5020K-3R3YT	3.3±30%	100K/1V	2.55	2.3	50	65
ACDNR5020K-4R7MT	4.7±20%	100K/1V	2.5	2.2	57	74
ACDNR5020K-6R8MT	6.8±20%	100K/1V	2.05	1.8	83	108
ACDNR5020K-8R2MT	8.2±20%	100K/1V	1.85	1.65	98	127
ACDNR5020K-100MT	10±20%	100K/1V	1.7	1.55	120	156
ACDNR5020K-150MT	15±20%	100K/1V	1.35	1.25	165	215
ACDNR5020K-180MT	18±20%	100K/1V	1.25	1.15	200	260
ACDNR5020K-220MT	22±20%	100K/1V	1.15	1.1	250	325
ACDNR5020K-330MT	33±20%	100K/1V	0.92	0.9	400	520
ACDNR5020K-470MT	47±20%	100K/1V	0.77	0.75	580	754
ACDNR5020K-680MT	68±20%	100K/1V	0.65	0.64	740	962
ACDNR5020K-101MT	100±20%	100K/1V	0.53	0.4	1100	1430

- 1 : CORE SIZE Ferrite Core
- 2 : SOLDER Lead-free process (focus)

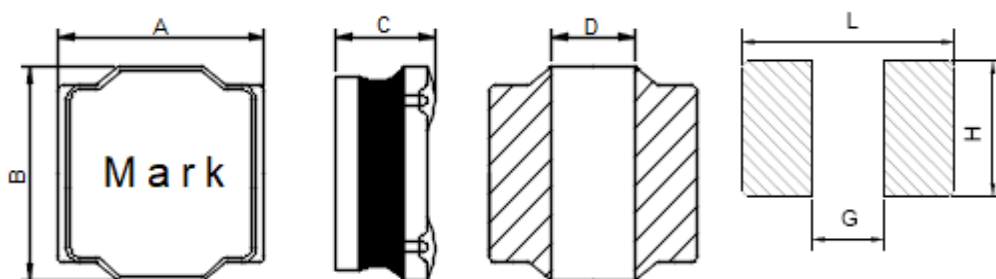
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR5020MJ SERIES

I.MECHANICAL DIMENSION



DIMENSIONS (mm)

A	5.0	±0.3
B	5.0	±0.3
C	2.3	Max.
D	2.2	Ref.
L	5.2	Ref.
G	2.4	Ref.
H	4.7	Ref.



II.ELECTRICAL CHARACTERISTICS

Parts Number	Inductance (uH)	Freq. (Hz)	Isat(A) ※1(30%)	Irms(A) ※2(ΔT=40℃)	DCR (mΩ)
			Max.	Max.	Max.
ACDNR5020MJ-6R8MT	6.8±20%	100K/1V	3.0	1.6	210

1 .CORE SIZE 4.95-4.95-2.0

2 .SOLDER Lead-free process (focus)

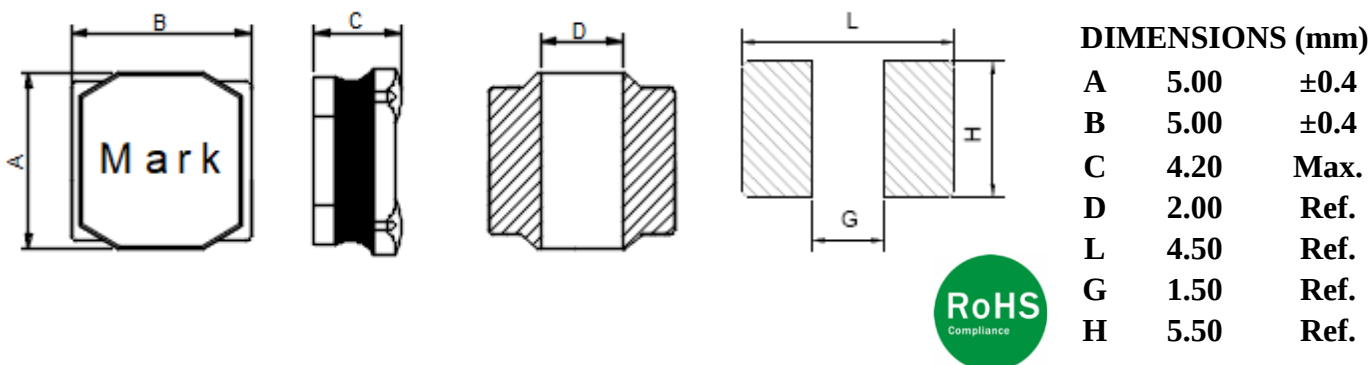
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR5040LL SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR5040LL-1R0YT	1.0±30%	100K/1V	5.70	3.50	22	27
ACDNR5040LL-1R5YT	1.5±30%	100K/1V	5.70	3.50	22	27
ACDNR5040LL-2R2NT	2.2±25%	100K/1V	5.70	4.00	26	32
ACDNR5040LL-3R3MT	3.3±20%	100K/1V	3.95	3.40	32	39
ACDNR5040LL-4R7MT	4.7±20%	100K/1V	3.50	3.00	32	39
ACDNR5040LL-6R8MT	6.8±20%	100K/1V	3.30	2.40	50	60
ACDNR5040LL-100MT	10±20%	100K/1V	2.35	2.20	70	85
ACDNR5040LL-150MT	15±20%	100K/1V	2.00	1.80	80	96
ACDNR5040LL-220MT	22±20%	100K/1V	1.80	1.40	140	168
ACDNR5040LL-330MT	33±20%	100K/1V	1.20	1.20	225	270
ACDNR5040LL-470MT	47±20%	100K/1V	1.10	1.00	266	320
ACDNR5040LL-101MT	100±20%	100K/1V	0.75	0.70	606	728

1 : CORE SIZE 5.0-5.0-3.85

2 : SOLDER Lead-free process (focus)

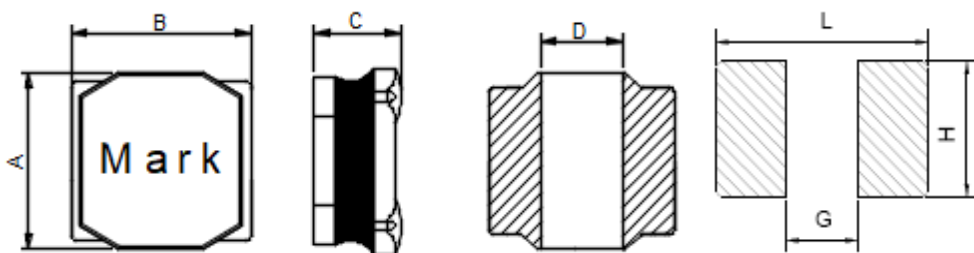
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR5040K SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	5.00	±0.3
B	5.00	±0.3
C	4.00	Max.
D	1.60	±0.3
L	5.00	Ref.
G	1.40	Ref.
H	4.20	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR5040K-1R0YT	1.0±30%	100K/1V	7.35	4.9	12	16
ACDNR5040K-1R2YT	1.2±30%	100K/1V	6.5	4.15	16	21
ACDNR5040K-1R5YT	1.5±30%	100K/1V	6.3	4	18	23
ACDNR5040K-2R2YT	2.2±30%	100K/1V	4.9	3.8	19	25
ACDNR5040K-3R3YT	3.3±30%	100K/1V	3.95	3.4	24	31
ACDNR5040K-4R7MT	4.7±20%	100K/1V	3.5	3	32	42
ACDNR5040K-5R6MT	5.6±20%	100K/1V	3	2.8	35	46
ACDNR5040K-6R8MT	6.8±20%	100K/1V	2.9	2.5	43	56
ACDNR5040K-100MT	10±20%	100K/1V	2.35	2.1	64	83
ACDNR5040K-150MT	15±20%	100K/1V	2	2	86	112
ACDNR5040K-220MT	22±20%	100K/1V	1.6	1.5	129	168
ACDNR5040K-330MT	33±20%	100K/1V	1.3	1.2	188	153
ACDNR5040K-470MT	47±20%	100K/1V	1.1	1	272	354
ACDNR5040K-680MT	68±20%	100K/1V	0.9	0.8	400	520
ACDNR5040K-101MT	100±20%	100K/1V	0.75	0.7	560	728
ACDNR5040K-151MT	150±20%	100K/1V	0.65	0.6	750	975
ACDNR5040K-221MT	220±20%	100K/1V	0.4	0.38	1280	1664

1 : CORE SIZE Ferrite Core

2 : SOLDER Lead-free process (focus)

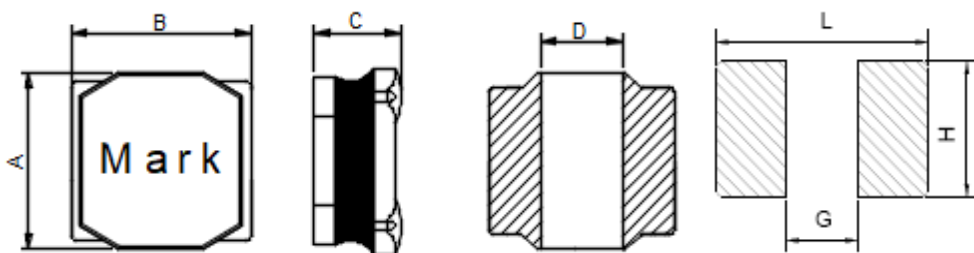
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR6010 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	6.00	±0.3
B	6.00	±0.3
C	1.00	Max.
D	2.65	±0.2
L	6.30	±0.2
G	3.10	±0.2
H	5.70	±0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR6010-2R2NT	2.2±25%	100K/1V	2.60	2.00	120	140
ACDNR6010-3R3NT	3.3±25%	100K/1V	2.00	1.70	178	208
ACDNR6010-4R7MT	4.7±20%	100K/1V	1.75	1.75	-	255
ACDNR6010-6R8MT	6.8±20%	100K/1V	1.60	1.60	270	325
ACDNR6010-8R2MT	8.2±20%	100K/1V	1.20	1.20	355	425
ACDNR6010-100MT	10±20%	100K/1V	1.20	1.10	333	400
ACDNR6010-150MT	15±20%	100K/1V	0.90	0.90	558	670

1 : CORE SIZE 6.0-6.0-0.93

2 : SOLDER Lead-free process (focus)

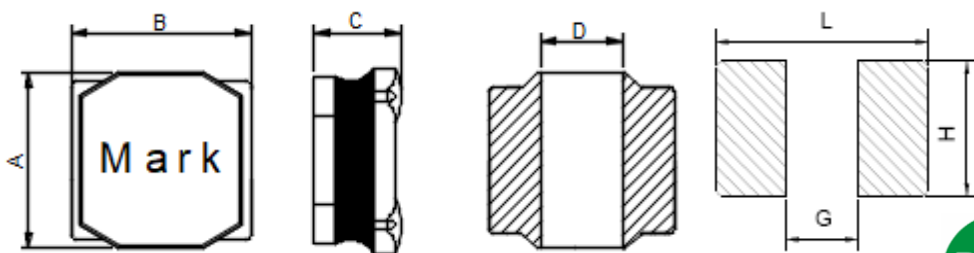
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR6012 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	6.00	±0.3
B	6.00	±0.3
C	1.20	Max.
D	2.70	Ref.
L	6.30	Ref.
G	3.10	Ref.
H	5.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR6012-2R2NT	2.2±25%	100K/1V	2.60	2.10	95	113
ACDNR6012-3R3NT	3.3±25%	100K/1V	1.90	1.90	150	163
ACDNR6012-4R7NT	4.7±25%	100K/1V	1.85	1.50	170	220
ACDNR6012-6R8MT	6.8±20%	100K/1V	1.60	1.20	204	260
ACDNR6012-8R2MT	8.2±20%	100K/1V	1.50	1.15	267	320
ACDNR6012-100MT	10±20%	100K/1V	1.40	1.10	278	371
ACDNR6012-150MT	15±20%	100K/1V	1.20	1.00	490	588
ACDNR6012-220MT	22±20%	100K/1V	0.90	0.70	/	784

1 : CORE SIZE 6.0-6.0-1.08

2 : SOLDER Lead-free process (focus)

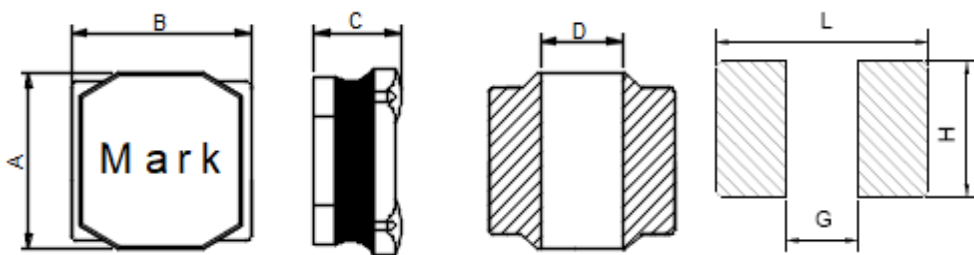
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR6020LL SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	6.00	±0.3
B	6.00	±0.3
C	2.00	Max.
D	2.70	Ref.
L	6.30	Ref.
G	3.10	Ref.
H	5.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR6020LL-1R0YT	1.0±30%	100K/1V	5.70	4.10	23	28
ACDNR6020LL-2R2MT	2.2±20%	100K/1V	4.00	2.90	45	55
ACDNR6020LL-3R3NT	3.3±25%	100K/1V	3.20	2.50	62	75
ACDNR6020LL-4R7MT	4.7±20%	100K/1V	2.80	2.40	75	90
ACDNR6020LL-6R8MT	6.8±20%	100K/1V	2.40	2.10	95	115
ACDNR6020LL-100MT	10±20%	100K/1V	2.00	2.00	150	180
ACDNR6020LL-150MT	15±20%	100K/1V	1.60	1.60	208	250
ACDNR6020LL-220MT	22±20%	100K/1V	1.40	1.20	317	380

1 : CORE SIZE 6.0-6.0-1.8

2 : SOLDER Lead-free process (focus)

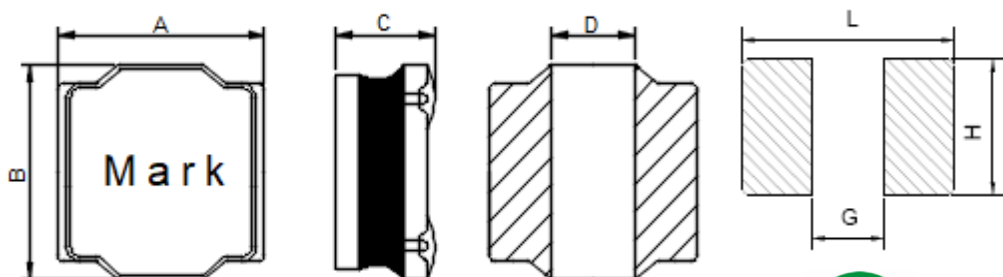
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR6020K SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	6.00	±0.4
B	6.00	±0.4
C	2.10	Max.
D	2.30	±0.3
L	6.60	Ref.
G	1.80	Ref.
H	5.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR6020K-1R0YT	1.0±30%	100K/1V	4.15	3.5	20	26
ACDNR6020K-1R5YT	1.5±30%	100K/1V	4.25	3.2	22	29
ACDNR6020K-2R2YT	2.2±30%	100K/1V	3.75	2.75	35	42
ACDNR6020K-3R3YT	3.3±30%	100K/1V	3.15	2.6	35	46
ACDNR6020K-4R7MT	4.7±20%	100K/1V	3	2	58	75.4
ACDNR6020K-6R8MT	6.8±20%	100K/1V	2.2	1.8	79	103
ACDNR6020K-100MT	10±20%	100K/1V	1.75	1.4	105	136.5
ACDNR6020K-120MT	12±20%	100K/1V	1.45	1.3	120	156
ACDNR6020K-150MT	15±20%	100K/1V	1.2	1.2	145	189
ACDNR6020K-180MT	18±20%	100K/1V	1.2	1.08	180	234
ACDNR6020K-220MT	22±20%	100K/1V	1.05	1	204	265
ACDNR6020K-330MT	33±20%	100K/1V	0.95	0.84	300	390
ACDNR6020K-470MT	47±20%	100K/1V	0.7	0.8	430	559

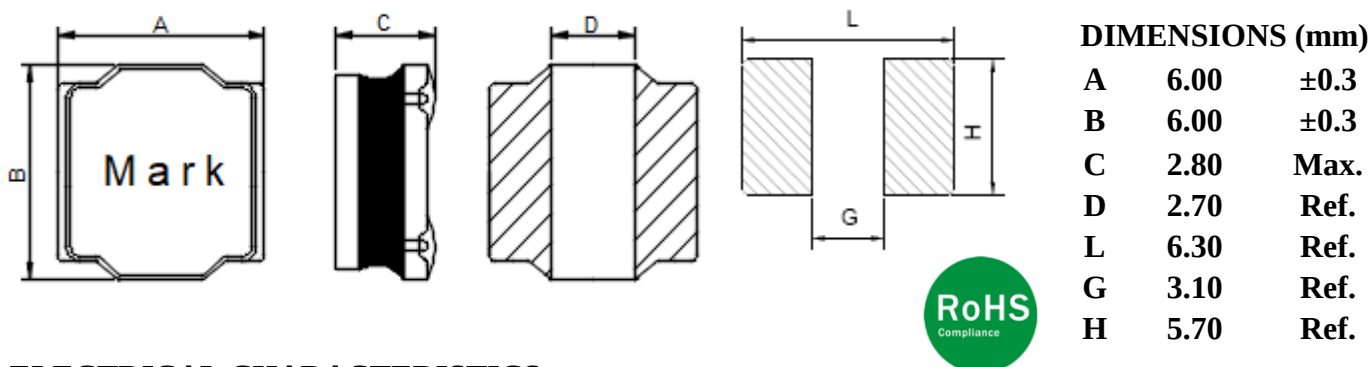
- 1 : CORE SIZE Ferrite Core
- 2 : SOLDER Lead-free process (focus)

REMARK :

- ※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)
- ※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR6028LL SERIES

MECHANICAL DIMENSION :



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)
			Max.	Max.	Max.
ACDNR6028LL-4R7MT	4.7±20%	100K/1V	3	3.08	39
ACDNR6028LL-100MT	10±20%	100K/1V	2.04	1.95	93.6
ACDNR6028LL-680MT	68±20%	100K/1V	0.78	0.75	520

1 : CORE SIZE 6.0-6.0-2.6

2 : SOLDER Lead-free process (focus)

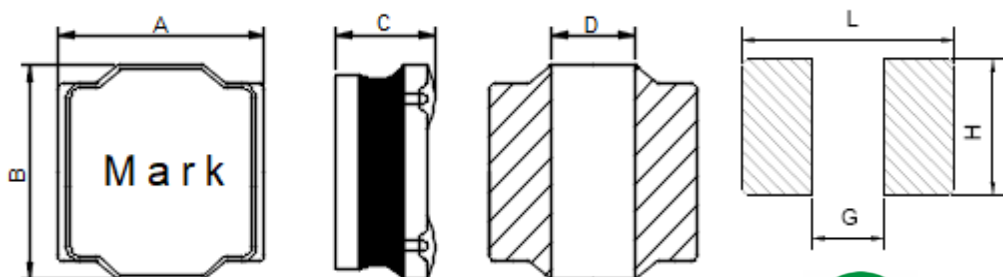
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR6028K SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	6.00	±0.3
B	6.00	±0.3
C	3.00	Max.
D	2.30	±0.3
L	6.00	Ref.
G	2.40	Ref.
H	5.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR6028K-1R0YT	1.0±30%	100K/1V	5.75	5.2	12	16
ACDNR6028K-1R5YT	1.5±30%	100K/1V	6	4.58	15	20
ACDNR6028K-2R2YT	2.2±30%	100K/1V	5.1	3.75	20	26
ACDNR6028K-3R3YT	3.3±30%	100K/1V	4.15	3.48	25	33
ACDNR6028K-4R7YT	4.7±30%	100K/1V	3	3.08	30	39
ACDNR6028K-6R8MT	6.8±20%	100K/1V	2.6	2.4	47	61
ACDNR6028K-100MT	10±20%	100K/1V	2.04	1.95	72	94
ACDNR6028K-120MT	12±20%	100K/1V	1.8	1.85	80	104
ACDNR6028K-150MT	15±20%	100K/1V	1.75	1.45	125	163
ACDNR6028K-180MT	18±20%	100K/1V	1.52	1.45	120	156
ACDNR6028K-220MT	22±20%	100K/1V	1.45	1.4	140	182
ACDNR6028K-330MT	33±20%	100K/1V	1.35	1.22	185	241
ACDNR6028K-470MT	47±20%	100K/1V	1.15	1.06	315	410
ACDNR6028K-680MT	68±20%	100K/1V	0.8	0.86	360	468
ACDNR6028K-820MT	82±20%	100K/1V	0.8	0.7	500	650
ACDNR6028K-101MT	100±20%	100K/1V	0.65	0.7	500	650

- 1 : CORE SIZE Ferrite Core
- 2 : SOLDER Lead-free process (focus)

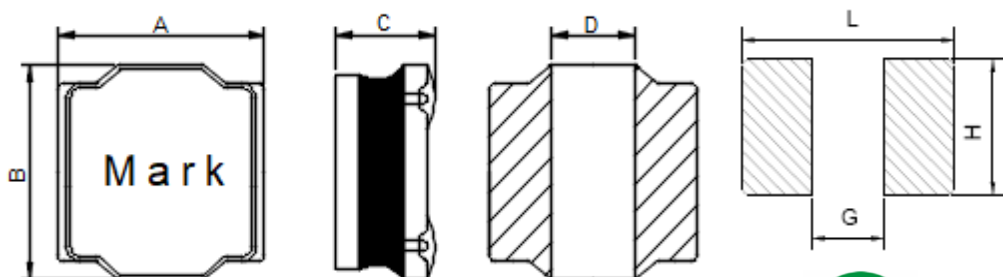
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR6045 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	6.00	±0.3
B	6.00	±0.3
C	4.70	Max.
D	2.40	Ref.
L	6.40	Ref.
G	2.40	Ref.
H	5.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1		Irms(A) ※2		DCR (mΩ)	
			Typ.	Max.	Typ.	Max.	Typ.	Max.
ACDNR6045-1R0YT	1.0±30%	100K/1V	12.2	10.98	6.5	5.85	12	16
ACDNR6045-1R5YT	1.5±30%	100K/1V	10.4	9.36	5.9	5.31	15	20
ACDNR6045-1R8YT	1.8±30%	100K/1V	9.6	8.64	5.6	5.04	17	23
ACDNR6045-2R2YT	2.2±30%	100K/1V	8.8	7.92	5.1	4.59	18.4	24
ACDNR6045-2R3YT	2.3±30%	100K/1V	8.8	7.92	5	4.5	19	25
ACDNR6045-3R0NT	3.0±25%	100K/1V	7.8	7.02	4.4	3.96	22	29
ACDNR6045-3R3NT	3.3±25%	100K/1V	7.5	6.75	4.3	3.87	24	32
ACDNR6045-3R6NT	3.6±25%	100K/1V	7.5	6.75	4.3	3.87	24	32
ACDNR6045-3R9NT	3.9±25%	100K/1V	7	6.3	4	3.6	26	34
ACDNR6045-4R5MT	4.5±25%	100K/1V	6.7	6.03	3.9	3.51	31	41
ACDNR6045-4R7MT	4.7±25%	100K/1V	6.7	6.03	3.9	3.51	31	41
ACDNR6045-5R1MT	5.1±20%	100K/1V	6	5.4	3.5	3.15	33	43
ACDNR6045-6R3MT	6.3±20%	100K/1V	5.5	4.95	3.3	2.97	40	52
ACDNR6045-6R8MT	6.8±20%	100K/1V	5.3	4.77	3.2	2.88	43	56
ACDNR6045-100MT	10±20%	100K/1V	4.5	4.05	2.7	2.43	57	75
ACDNR6045-150MT	15±20%	100K/1V	3.4	3.06	2.2	1.98	80	104
ACDNR6045-180MT	18±20%	100K/1V	3.1	2.79	1.8	1.62	100	130
ACDNR6045-220MT	22±20%	100K/1V	3	2.7	1.9	1.71	125	163

ACDNR6045 SERIES

ACDNR6045-270MT	27±20%	100K/1V	2.5	2.25	1.3	1.17	160	208
ACDNR6045-330MT	33±20%	100K/1V	2.3	2.07	1.4	1.26	165	215
ACDNR6045-470MT	47±20%	100K/1V	1.9	1.71	1.2	1.08	245	319
ACDNR6045-680MT	68±20%	100K/1V	1.6	1.44	1	0.9	330	429
ACDNR6045-101MT	100±20%	100K/1V	1.3	1.17	0.9	0.72	500	650
ACDNR6045-331MT	330±20%	100K/1V	0.7	0.63	0.35	0.31	1800	2340
ACDNR6045-102MT	1000±20%	100K/1V	0.4	0.36	0.22	0.19	6000	7800

1 : CORE SIZE Ferrite Core

2 : SOLDER Lead-free process (focus)

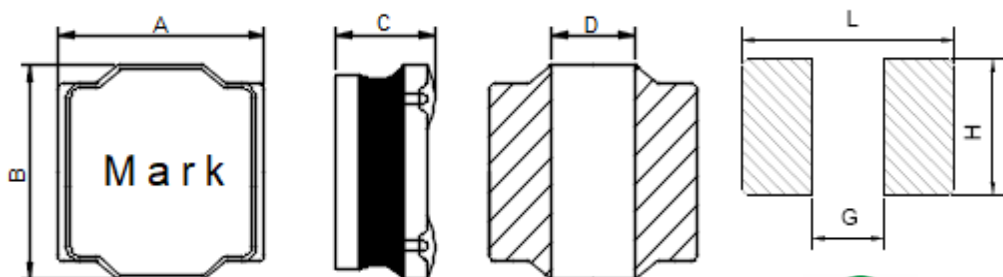
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR6045K SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	6.00	±0.3
B	6.00	±0.3
C	4.70	Max.
D	2.30	±0.3
L	6.00	Ref.
G	2.40	Ref.
H	5.70	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR6045K-1R0YT	1.0±30%	100K/1V	9.85	5.14	11	14
ACDNR6045K-1R5YT	1.5±30%	100K/1V	8.8	4.95	12	16
ACDNR6045K-2R2YT	2.2±30%	100K/1V	6.75	4.6	14	18
ACDNR6045K-3R3YT	3.3±30%	100K/1V	5.9	3.7	24	31
ACDNR6045K-4R7MT	4.7±20%	100K/1V	4.97	3.3	31	40
ACDNR6045K-6R8MT	6.8±20%	100K/1V	3.9	3	35	46
ACDNR6045K-100MT	10±20%	100K/1V	3.2	2.45	48	62
ACDNR6045K-150MT	15±20%	100K/1V	2.5	2.05	68	88
ACDNR6045K-220MT	22±20%	100K/1V	2.05	1.8	89	116
ACDNR6045K-330MT	33±20%	100K/1V	1.65	1.45	137	178
ACDNR6045K-470MT	47±20%	100K/1V	1.4	1.2	200	260
ACDNR6045K-560MT	56±20%	100K/1V	1.3	1.1	221	287
ACDNR6045K-680MT	68±20%	100K/1V	1.2	1	289	376
ACDNR6045K-101MT	100±20%	100K/1V	0.95	0.8	433	563
ACDNR6045K-121MT	120±20%	100K/1V	0.85	0.77	484	629
ACDNR6045K-151MT	150±20%	100K/1V	0.8	0.7	580	754
ACDNR6045K-221MT	220±20%	100K/1V	0.7	0.59	834	1084
ACDNR6045K-331MT	330±20%	100K/1V	0.57	0.57	1270	1651
ACDNR6045K-471MT	470±20%	100K/1V	0.5	0.42	1800	2340
ACDNR6045K-681MT	680±20%	100K/1V	0.42	0.33	2500	3250

- 1 : CORE SIZE Ferrite Core
- 2 : SOLDER Lead-free process (focus)

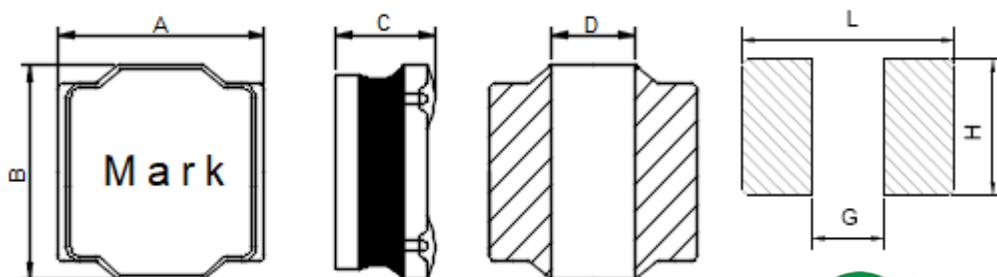
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR8040 SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	8.00	±0.4
B	8.00	±0.4
C	4.20	Max.
D	3.80	Ref.
L	8.20	Ref.
G	3.80	Ref.
H	7.50	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR8040-R90YT	0.9±30%	100K/1V	12.42	7.24	7	9
ACDNR8040-1R0YT	1.0±30%	100K/1V	11.70	7.15	7.5	10
ACDNR8040-1R4YT	1.4±30%	100K/1V	9.72	7.02	9	12
ACDNR8040-1R5YT	1.5±30%	100K/1V	9.07	6.93	9.5	13
ACDNR8040-2R0YT	2.0±30%	100K/1V	8.64	6.66	11	15
ACDNR8040-2R2YT	2.2±30%	100K/1V	8.28	6.48	11.5	15
ACDNR8040-2R5YT	2.5±30%	100K/1V	7.38	5.67	13	17
ACDNR8040-3R3NT	3.3±25%	100K/1V	6.75	5.40	15	20
ACDNR8040-4R7MT	4.7±20%	100K/1V	5.40	4.95	18	24
ACDNR8040-5R6MT	5.6±20%	100K/1V	5.13	4.68	23	26
ACDNR8040-6R8MT	6.8±20%	100K/1V	5.40	5.10	28	36
ACDNR8040-100MT	10±20%	100K/1V	4.30	3.80	38	50
ACDNR8040-120MT	12±20%	100K/1V	3.42	3.15	45	59
ACDNR8040-150MT	15±20%	100K/1V	3.24	2.88	50	65
ACDNR8040-180MT	18±20%	100K/1V	2.79	2.43	68	89
ACDNR8040-220MT	22±20%	100K/1V	2.52	2.34	80	104
ACDNR8040-330MT	33±20%	100K/1V	2.07	1.80	110	143
ACDNR8040-470MT	47±20%	100K/1V	1.71	1.57	160	208
ACDNR8040-680MT	68±20%	100K/1V	1.53	1.30	240	312
ACDNR8040-101MT	100±20%	100K/1V	1.26	0.99	340	442
ACDNR8040-121MT	120±20%	100K/1V	0.99	0.90	425	553
ACDNR8040-151MT	150±20%	100K/1V	0.90	0.81	480	624
ACDNR8040-221MT	220±20%	100K/1V	0.84	0.54	670	871
ACDNR8040-271MT	270±20%	100K/1V	0.74	0.49	900	1170
ACDNR8040-821MT	820±20%	100K/1V	0.36	0.34	2800	3640

- 1 : CORE SIZE Ferrite Core
2 : SOLDER Lead-free process (focus)

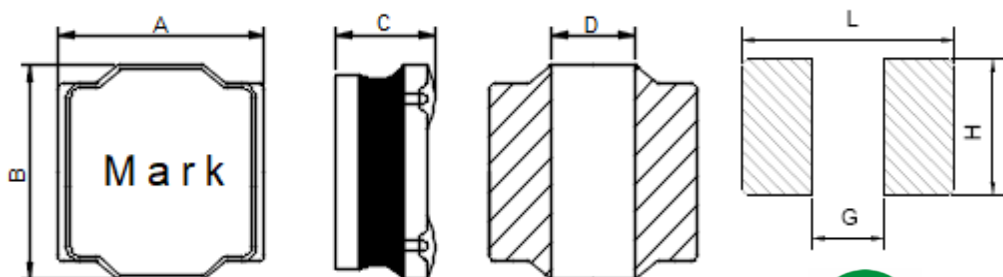
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)

ACDNR8040K SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	8.00	±0.4
B	8.00	±0.4
C	4.20	Max.
D	3.60	±0.3
L	8.50	Ref.
G	3.10	Ref.
H	7.50	Ref.



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR8040K-1R0YT	1.0±30%	100K/1V	9.85	6.3	8	10.4
ACDNR8040K-1R5YT	1.5±30%	100K/1V	8.15	5.65	10	13
ACDNR8040K-2R2YT	2.2±30%	100K/1V	7.1	5.15	12	16
ACDNR8040K-3R3YT	3.3±30%	100K/1V	6.5	4.4	17	22
ACDNR8040K-4R7YT	4.7±30%	100K/1V	5.9	4.1	19	25
ACDNR8040K-6R8MT	6.8±20%	100K/1V	4.55	3.6	24	31
ACDNR8040K-8R2MT	8.2±20%	100K/1V	4.2	3.45	26	34
ACDNR8040K-100MT	10±20%	100K/1V	3.6	3.3	42	55
ACDNR8040K-150MT	15±20%	100K/1V	2.95	2.6	47	61
ACDNR8040K-180MT	18±20%	100K/1V	2.7	2.4	53	69
ACDNR8040K-220MT	22±20%	100K/1V	2.4	2.1	69	90
ACDNR8040K-330MT	33±20%	100K/1V	2.05	1.8	97	126
ACDNR8040K-470MT	47±20%	100K/1V	1.75	1.55	136	177
ACDNR8040K-680MT	68±20%	100K/1V	1.45	1.25	196	255
ACDNR8040K-820MT	82±20%	100K/1V	1.3	1.15	225	293
ACDNR8040K-101MT	100±20%	100K/1V	1.15	1	290	377
ACDNR8040K-121MT	120±20%	100K/1V	1.05	0.95	334	434



ACDNR8040K SERIES

ACDNR8040K-151MT	150±20%	100K/1V	1.1	0.85	410	533
ACDNR8040K-221MT	220±20%	100K/1V	0.85	0.8	599	779
ACDNR8040K-331MT	330±20%	100K/1V	0.68	0.64	889	1156
ACDNR8040K-471MT	470±20%	100K/1V	0.6	0.54	1260	1638
ACDNR8040K-681MT	680±20%	100K/1V	0.5	0.45	2040	2652

1 : CORE SIZE Ferrite Core

2 : SOLDER Lead-free process (focus)

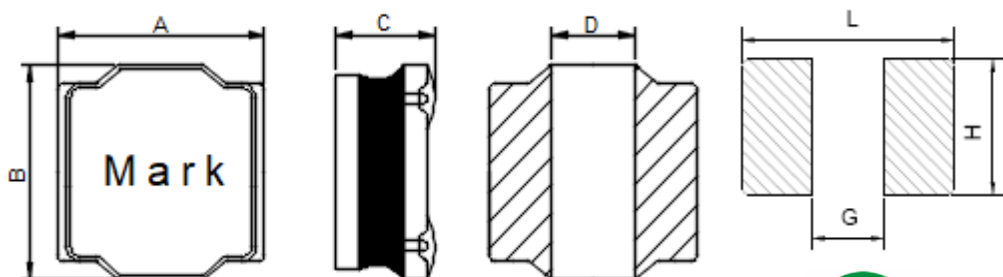
REMARK :

※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5°C)

※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40°C. (Ta=25±5°C)

ACDNR8060K SERIES

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	8.00	±0.4
B	8.00	±0.4
C	6.20	Max.
D	3.80	±0.3
L	8.00	±0.3
G	3.60	±0.3
H	7.50	±0.3



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Isat(A) ※1	Irms(A) ※2	DCR (mΩ)	
			Max.	Max.	Typ.	Max.
ACDNR8060K-100MT	10±20%	100K/1V	5.00	3.20	35	45.5
ACDNR8060K-220MT	22±20%	100K/1V	3.00	2.80	60	78
ACDNR8060K-330MT	33±20%	100K/1V	2.50	2.10	90	117
ACDNR8060K-470MT	47±20%	100K/1V	1.85	1.60	125	162.5
ACDNR8060K-820MT	82±20%	100K/1V	1.30	1.20	230	299
ACDNR8060K-101MT	100±20%	100K/1V	1.20	0.91	250	325

- 1 : CORE SIZE Ferrite Core
2 : SOLDER Lead-free process (focus)

REMARK :

- ※1: Saturation Rated Current: The current when the inductance becomes 30% lower than its nominal value. (Ta=25±5℃)
 ※2: Temperature Rise Current: The temperature rise current value is the DC current value having temperature increase up to 40℃. (Ta=25±5℃)