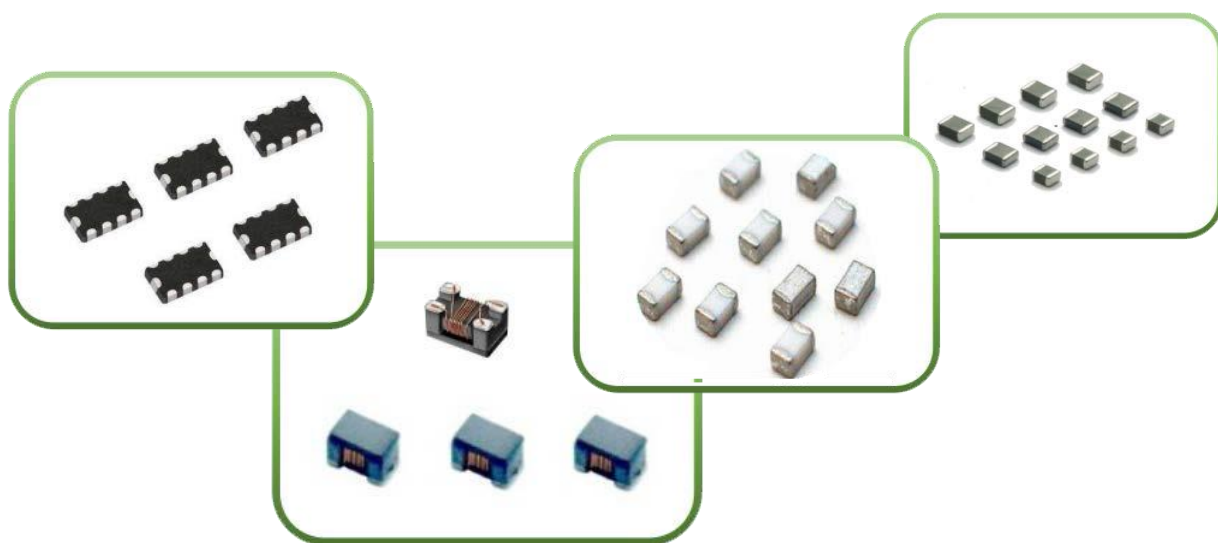




伸勇集團 成育科技股份有限公司

AMODE TECH.LTD.



磁珠疊層電感系列目錄 (2024年)

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Catalog of Products

SMD Type	Model	P/N	Size (mm)	Impedance(Ω)	Page
Ferrite Chip Beads		AFCM1005	1005	30-1000 Ω	<u>4</u>
		AFCM1608	1608	10-2000 Ω	<u>5</u>
		AFCM2012	2012	7-2000 Ω	<u>6</u>
		AFCM3216	3216	26-600 Ω	<u>7</u>
High Current Ferrite Chip Beads		AHCB1005	1005	10-600 Ω	<u>8</u>
		AHCB1608	1608	26-600 Ω	<u>9</u>
		AHCB2012	2012	30-600 Ω	<u>10</u>
		AHCB3216	3216	30-600 Ω	<u>11</u>
		AHCB4516	4516	60-80 Ω	<u>12</u>
		AHCB4532	4532	80-1300 Ω	<u>13</u>
Ferrite Chip Bead Array		AFCA3216	3216	30-1000 Ω	<u>14</u>

Catalog of Products

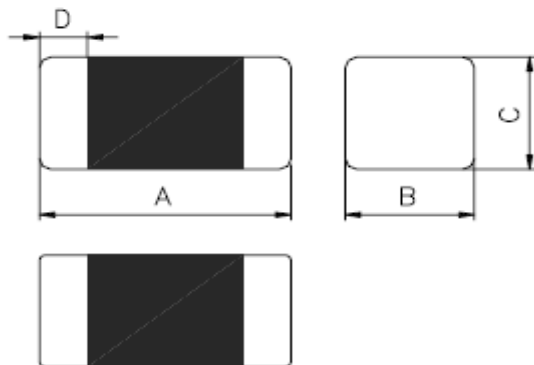
SMD Type	Model	P/N	Size (mm)	Inductance(uH)	Page
Ferrite Chip Inductors		AFCI1005	1005	0.22-2.2uH	15
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		AFCI2012	2012	0.047-10uH	17
		AFCI3216	3216	0.047-10uH	18
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		ACPI201610UF	201610	0.47-4.7uH	20
Wirewound Ferrite Chip Inductors		ASWF1608	1608	0.047-10uH	21
		ASWF2012	2012	0.047-33uH	23
		ASWF2520	2520	1-33uH	24
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		ASWI0805	2012	0.0028-1.2uH	30
		ASWI1008	2520	0.01-10uH	32
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		AFLC2012J	241714	0.1-68uH	38

Catalog of Products

SMD Type	Model	P/N	Size (mm)	Impedance(Ω)	Page
Wirewound Common Mode Chokes		AWCM2012	2012	67-1000 Ω	40
		AWCM3216	3216	90-2200 Ω	41
		AWCM3225	3225	90-1000 Ω	42
		AWCM4532	4532	90-800 Ω	43
		AHDMI2012	2012	50-90 Ω	44
		AHSF1210	1210	50-90 Ω	45
		AHSF2012	2012	50-90 Ω	46
		ALCM4532	4532	300-5000 Ω	47
Tri-wires Common Mode Chokes		ATCM252013	252013	67 Ω	48
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Balun Filters		ATXF4532	4532	350 μ H	50
		ABCM2012	2012	75 Ω	51

Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.00	± 0.2
B	0.50	± 0.2
C	0.50	± 0.2
D	0.25	± 0.1

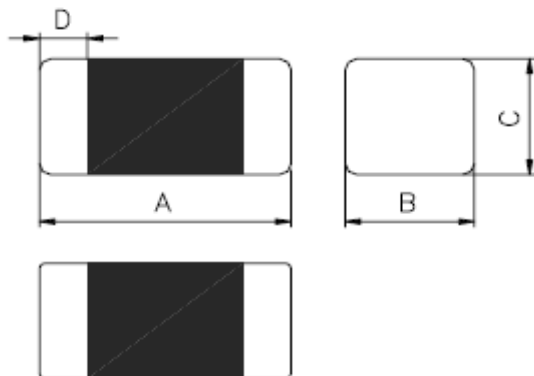


ELECTRICAL CHARACTERISTICS:

Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AFCM1005K-300T03	30±25%	100	300	0.20
AFCM1005K-600T03	60±25%	100	300	0.25
AFCM1005K-121T01	120±25%	100	100	0.30
AFCM1005K-151T01	150±25%	100	100	0.30
AFCM1005K-221T01	220±25%	100	100	0.40
AFCM1005K-301T01	300±25%	100	100	0.50
AFCM1005K-471T01	470±25%	100	100	0.60
AFCM1005K-601T00	600±25%	100	80	0.80
AFCM1005K-102T00	1000±25%	100	50	1.20
AFCM1005M-600T01	60±25%	100	100	0.30
AFCM1005M-121T00	120±25%	100	80	0.45
AFCM1005M-221T00	220±25%	100	50	0.60
AFCM1005M-301T00	300±25%	100	50	0.75

Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.60	± 0.25
B	0.80	± 0.25
C	0.80	± 0.25
D	0.30	± 0.20

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AFCM1608K-300T07	30±25%	100	700	0.20
AFCM1608K-600T07	60±25%	100	700	0.20
AFCM1608K-121T06	120±25%	100	600	0.25
AFCM1608K-151T06	150±25%	100	600	0.25
AFCM1608K-221T05	220±25%	100	550	0.30
AFCM1608K-301T05	300±25%	100	500	0.35
AFCM1608K-471T03	470±25%	100	350	0.45
AFCM1608K-601T03	600±25%	100	350	0.50
AFCM1608K-102T02	1000±25%	100	200	0.70
AFCM1608H-152T02	1500±25%	100	200	1.00
AFCM1608H-202T01	2000±25%	100	150	1.20
AFCM1608C-100T07	10±25%	100	700	0.20
AFCM1608C-300T06	30±25%	100	600	0.25
AFCM1608C-600T06	60±25%	100	600	0.30
AFCM1608C-121T03	120±25%	100	300	0.40
AFCM1608C-151T03	150±25%	100	300	0.40
AFCM1608C-221T02	220±25%	100	250	0.60
AFCM1608C-301T02	300±25%	100	200	0.80
AFCM1608C-471T02	470±25%	100	200	0.85
AFCM1608C-601T01	600±25%	100	150	1.20
AFCM1608C-102T00	1000±25%	100	80	1.50

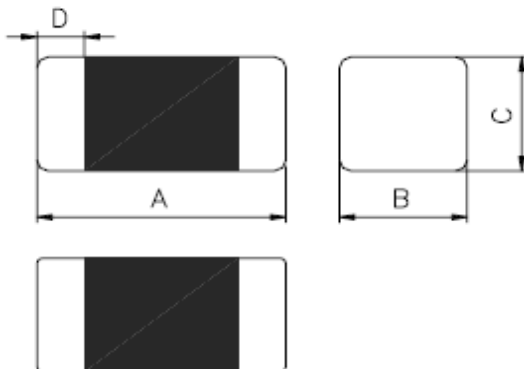


Amode Tech. Ltd.

AFCM2012 SERIES

Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.00	± 0.30
B	1.25	± 0.30
C	0.85±0.3/1.25±0.3	
D	0.30	± 0.20

ELECTRICAL CHARACTERISTICS:



Parts Number	Thickness C size(mm)	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AFCM2012K-110T09	0.85±0.2	11±25%	100	900	0.10
AFCM2012K-170T06	0.85±0.2	17±25%	100	600	0.10
AFCM2012K-260T06	0.85±0.2	26±25%	100	600	0.10
AFCM2012K-300T06	0.85±0.2	30±25%	100	600	0.10
AFCM2012K-400T06	0.85±0.2	40±25%	100	600	0.10
AFCM2012K-600T09	0.85±0.2	60±25%	100	900	0.10
AFCM2012K-121T08	0.85±0.2	120±25%	100	800	0.20
AFCM2012K-151T08	0.85±0.2	150±25%	100	800	0.20
AFCM2012K-221T07	0.85±0.2	220±25%	100	750	0.30
AFCM2012K-301T07	0.85±0.2	300±25%	100	700	0.30
AFCM2012K-471T07	0.85±0.2	470±25%	100	700	0.35
AFCM2012K-601T05	0.85±0.2	600±25%	100	500	0.40
AFCM2012K-102T04	0.85±0.2	1000±25%	100	400	0.45
AFCM2012H-102T04	0.85±0.2	1000±25%	100	400	0.45
AFCM2012H-152T03	0.85±0.2	1500±25%	100	350	0.50
AFCM2012H-202T02	0.85±0.2	2000±25%	100	250	0.60
AFCM2012N-070T06	0.85±0.2	7±25%	100	600	0.10
AFCM2012C-300T07	0.85±0.2	30±25%	100	700	0.20
AFCM2012C-600T07	0.85±0.2	60±25%	100	700	0.20
AFCM2012C-121T06	0.85±0.2	120±25%	100	600	0.25
AFCM2012C-151T06	0.85±0.2	150±25%	100	600	0.25
AFCM2012C-221T04	0.85±0.2	220±25%	100	400	0.30
AFCM2012C-301T04	0.85±0.2	300±25%	100	400	0.35
AFCM2012C-471T04	1.25±0.2	470±25%	100	400	0.40
AFCM2012C-601T03	1.25±0.2	600±25%	100	300	0.45
AFCM2012C-102T02	1.25±0.2	1000±25%	100	200	0.50

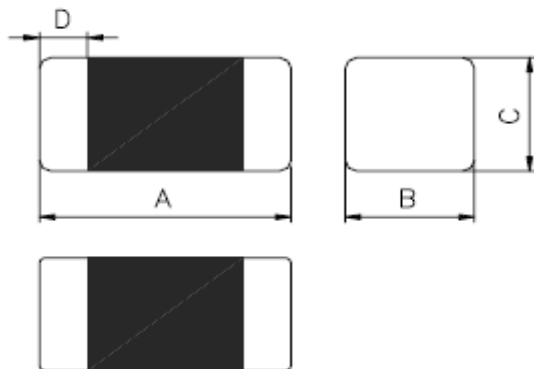


Amode Tech. Ltd.

AFCM3216 SERIES

Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	1.10	± 0.3
D	0.50	± 0.3

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AFCM3216K-260T05	26±25%	100	500	0.20
AFCM3216K-310T05	31±25%	100	500	0.20
AFCM3216K-420T05	42±25%	100	500	0.20
AFCM3216K-500T05	50±25%	100	500	0.20
AFCM3216K-700T05	70±25%	100	500	0.20
AFCM3216K-900T05	90±25%	100	500	0.20
AFCM3216K-121T09	120±25%	100	900	0.15
AFCM3216K-151T09	150±25%	100	900	0.15
AFCM3216K-201T06	200±25%	100	600	0.35
AFCM3216K-221T07	220±25%	100	700	0.35
AFCM3216K-301T07	300±25%	100	700	0.35
AFCM3216K-471T04	470±25%	100	400	0.35
AFCM3216K-601T04	600±25%	100	400	0.40

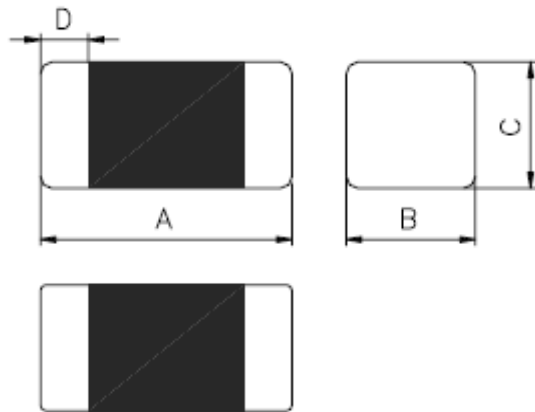


Amode Tech. Ltd.

AHCB1005 SERIES

High Current Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.00	± 0.20
B	0.50	± 0.20
C	0.50	± 0.20
D	0.25	± 0.10

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AHCB1005M-100T25	10 $\pm$ 25%	100	2500	0.050
AHCB1005K-121T20	120 $\pm$ 25%	100	2000	0.095
AHCB1005K-221T10	220 $\pm$ 25%	100	1000	0.200
AHCB1005K-221T15	220 $\pm$ 25%	100	1500	0.150
AHCB1005P-330T30	33 $\pm$ 25%	100	3000	0.022
AHCB1005P-600T25	60 $\pm$ 25%	100	2500	0.032
AHCB1005P-800T23	80 $\pm$ 25%	100	2300	0.038
AHCB1005P-121T20	120 $\pm$ 25%	100	2000	0.055

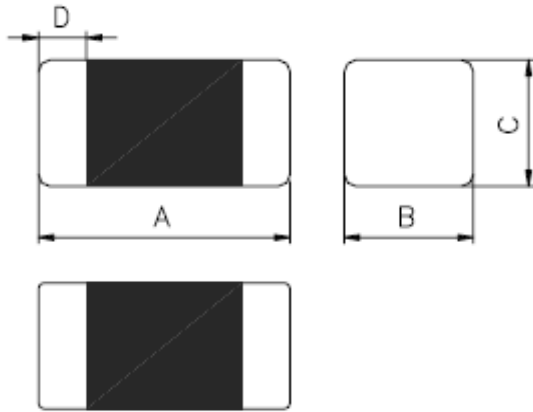


Amode Tech. Ltd.

AHCB1608 SERIES

High Current Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.60	± 0.25
B	0.80	± 0.25
C	0.8±0.25/0.6±0.25	
D	0.30	± 0.20

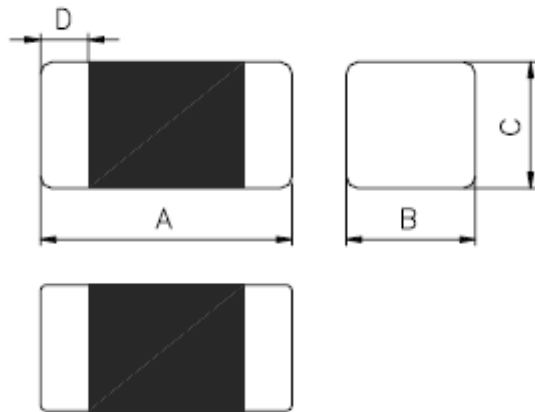
ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max	Height (mm) Max
AHCB1606Z-260T60	26±25%	100	6000	0.01	0.75
AHCB1608K-300T30	30±25%	100	3000	0.04	0.95
AHCB1608K-800T30	80±25%	100	3000	0.04	0.95
AHCB1608K-121T20	120±25%	100	2000	0.10	0.95
AHCB1608K-121T30	120±25%	100	3000	0.04	0.95
AHCB1608K-150T20	150±25%	100	2000	0.10	0.95
AHCB1608K-221T20	220±25%	100	2000	0.10	0.95
AHCB1608K-301T10	300±25%	100	1000	0.20	0.95
AHCB1608K-471T10	470±25%	100	1000	0.20	0.95
AHCB1608K-601T10	600±25%	100	1000	0.20	0.95

High Current Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.00	± 0.30
B	1.25	± 0.30
C	0.85	± 0.30
D	0.50	± 0.30

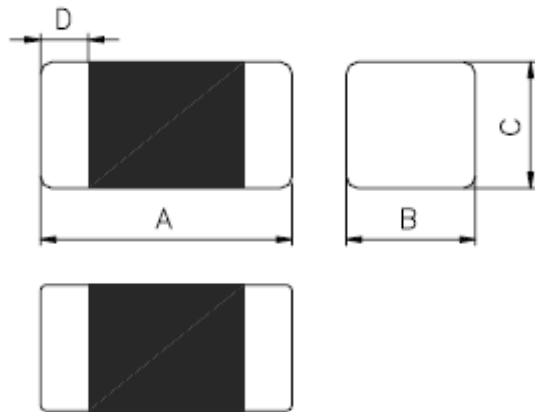
ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AHCB2012K-300T30	30±25%	100	3000	0.04
AHCB2012K-800T30	80±25%	100	3000	0.04
AHCB2012K-121T20	120±25%	100	2000	0.10
AHCB2012K-151T20	150±25%	100	2000	0.10
AHCB2012K-221T20	220±25%	100	2000	0.10
AHCB2012K-301T10	300±25%	100	1000	0.20
AHCB2012K-471T10	470±25%	100	1000	0.20
AHCB2012K-601T10	600±25%	100	1000	0.20

High Current Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.20	± 0.30
B	1.60	± 0.30
C	1.10	± 0.30
D	0.50	± 0.30

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AHCB3216K-300T30	30±25%	100	3000	0.04
AHCB3216K-500T30	50±25%	100	3000	0.04
AHCB3216K-800T30	80±25%	100	3000	0.04
AHCB3216K-121T20	120±25%	100	2000	0.10
AHCB3216K-151T20	150±25%	100	2000	0.10
AHCB3216K-301T10	300±25%	100	1000	0.20
AHCB3216K-471T10	470±25%	100	1000	0.20
AHCB3216K-501T30	500±25%	100	3000	0.04
AHCB3216K-601T20	600±25%	100	2000	0.10

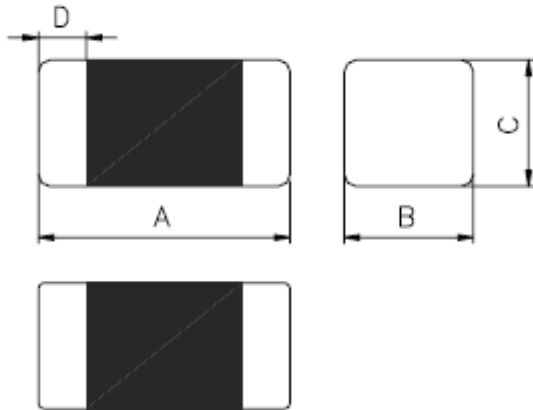


Amode Tech. Ltd.

AHCB4516 SERIES

High Current Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	4.50	± 0.30
B	1.60	± 0.30
C	1.60	± 0.30
D	0.50	± 0.30

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AHCB4516K-600T60	60±25%	100	6000	0.01
AHCB4516K-800T30	80±25%	100	3000	0.04

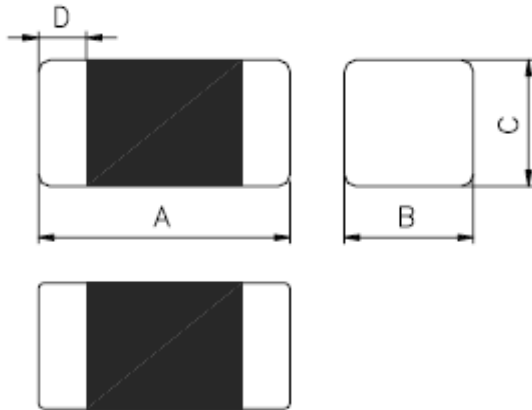


Amode Tech. Ltd.

AHCB4532 SERIES

High Current Ferrite Chip Beads

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	4.50	± 0.30
B	3.20	± 0.30
C	1.50	± 0.30
D	0.50	± 0.30

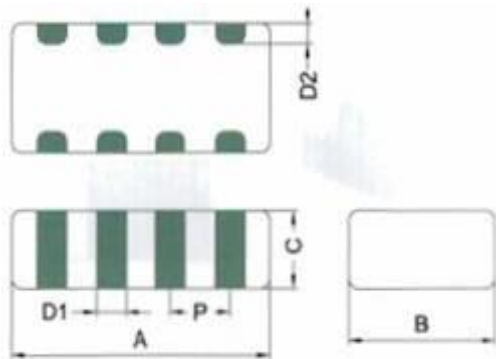
ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AHCB4532K-800T60	80±25%	100	6000	0.01
AHCB4532K-121T50	120±25%	100	5000	0.02
AHCB4532K-131T30	130±25%	100	3000	0.04
AHCB4532K-151T50	150±25%	100	5000	0.02
AHCB4532M-681T40	680±25%	100	4000	0.03
AHCB4532M-132T30	1300±25%	100	3000	0.06

Ferrite Chip Bead Array

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	0.90	± 0.3
D1	0.40	± 0.15
D2	0.30	± 0.1
P	0.80	± 0.1

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max
AFCA3216K-300T05	30±25%	100	500	0.20
AFCA3216K-600T04	60±25%	100	400	0.25
AFCA3216K-121T03	120±25%	100	350	0.30
AFCA3216K-301T02	300±25%	100	250	0.40
AFCA3216K-601T02	600±25%	100	200	0.50
AFCA3216K-102T01	1000±25%	100	150	0.75
AFCA3216M-300T04	30±25%	100	400	0.25
AFCA3216M-600T03	60±25%	100	300	0.30
AFCA3216M-121T02	120±25%	100	250	0.40
AFCA3216M-301T02	300±25%	100	200	0.50

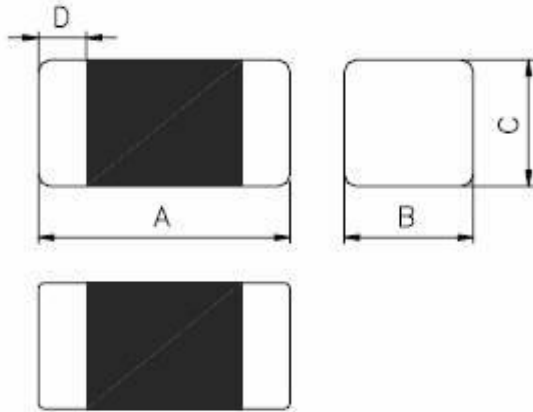


Amode Tech. Ltd.

AFCI1005 SERIES

Ferrite Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.00	± 0.20
B	0.50	± 0.20
C	0.50	± 0.20
D	0.25	± 0.10

ELECTRICAL CHARACTERISTICS:



Parts Number	Inductance (uH)	Test Freq. (Hz)	Q Min	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max	SRF (MHz) Min
AFCI1005F-R22KT	0.22±10%	60mV/25M	10	25	25	1.20	110
AFCI1005F-1R0KT	1.0±10%	60mV/10M	20	10	15	0.90	40
AFCI1005F-1R8KT	1.8±10%	60mV/10M	20	10	15	1.45	30
AFCI1005F-2R2KT	2.2±10%	60mV/10M	20	10	10	1.70	28

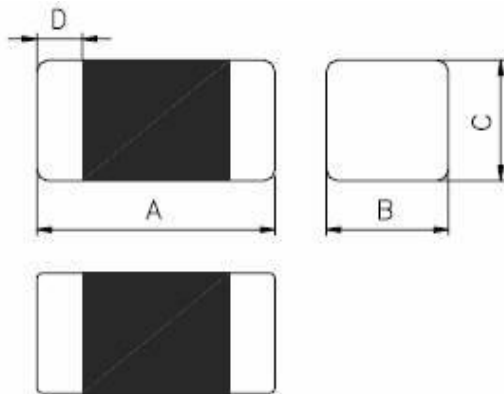


Amode Tech. Ltd.

AFCI1608 SERIES

Ferrite Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.60	± 0.25
B	0.80	± 0.25
C	0.80	± 0.25
D	0.30	± 0.20

ELECTRICAL CHARACTERISTICS:

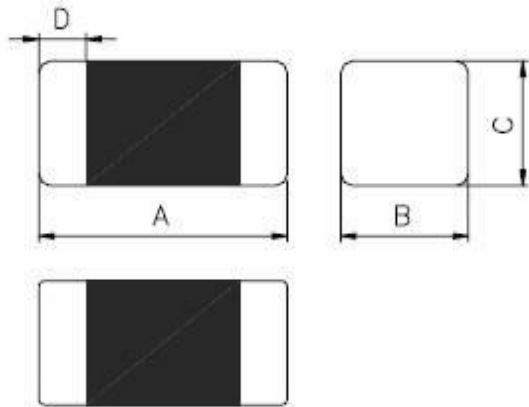


Parts Number	Thickness A Size(mm)	Inductance (uH)	Test Freq. (Hz)	Q Min	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max	SRF (MHz) Min
AFCI1608F-47N□T	1.6±0.15	0.047	60mV/50M	10	50	50	0.30	260
AFCI1608F-68N□T	1.6±0.15	0.068	60mV/50M	10	50	50	0.30	250
AFCI1608F-82N□T	1.6±0.15	0.082	60mV/50M	10	50	50	0.30	245
AFCI1608F-R10□T	1.6±0.15	0.1	60mV/25M	15	25	50	0.50	240
AFCI1608F-R12□T	1.6±0.15	0.12	60mV/25M	15	25	50	0.50	205
AFCI1608F-R15□T	1.6±0.15	0.15	60mV/25M	15	25	50	0.60	180
AFCI1608F-R18□T	1.6±0.15	0.18	60mV/25M	15	25	50	0.60	165
AFCI1608F-R22□T	1.6±0.15	0.22	60mV/25M	15	25	50	0.80	150
AFCI1608F-R27□T	1.6±0.15	0.27	60mV/25M	15	25	50	0.80	136
AFCI1608F-R33□T	1.6±0.15	0.33	60mV/25M	15	25	35	0.85	125
AFCI1608F-R39□T	1.6±0.15	0.39	60mV/25M	15	25	35	1.00	110
AFCI1608F-R47□T	1.6±0.15	0.47	60mV/25M	15	25	35	1.35	105
AFCI1608F-R56□T	1.6±0.15	0.56	60mV/25M	15	25	35	1.55	95
AFCI1608F-R68□T	1.6±0.15	0.68	60mV/25M	15	25	35	1.70	80
AFCI1608F-R82□T	1.6±0.15	0.82	60mV/25M	15	25	35	2.10	75
AFCI1608F-1R0□T	1.6±0.15	1	60mV/10M	30	10	25	0.60	70
AFCI1608F-1R5□T	1.6±0.15	1.5	60mV/10M	30	10	25	0.80	55
AFCI1608F-1R8□T	1.6±0.15	1.8	60mV/10M	30	10	25	0.95	50
AFCI1608F-2R2□T	1.6±0.15	2.2	60mV/10M	30	10	15	1.15	45
AFCI1608F-3R3□T	1.6±0.15	3.3	60mV/10M	30	10	15	1.55	38
AFCI1608F-4R7□T	1.6±0.15	4.7	60mV/10M	30	10	15	2.10	33
AFCI1608F-100□T	1.6±0.15	10	60mV/2M	30	2	15	2.00	17

□:K=±10%,L=±15%,M=±20%

Ferrite Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.00	± 0.30
B	1.20	± 0.30
C	0.85±0.3/1.25±0.3	
D	0.50	± 0.30

ELECTRICAL CHARACTERISTICS:

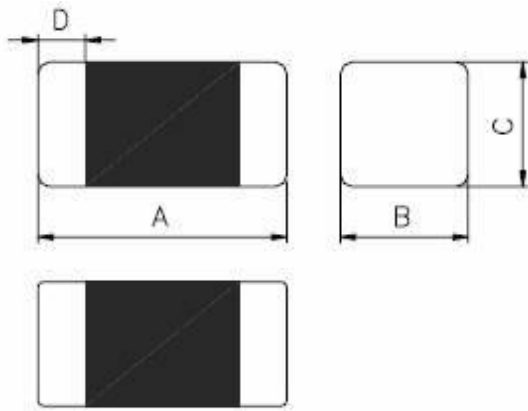


Parts Number	Thickness A Size(mm)	Inductance (uH)	Test Freq. (Hz)	Q Min	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max	SRF (MHz) Min
AFCI2012F-47N□T	0.85±0.2	0.047	60mV/50M	15	50	300	0.20	320
AFCI2012F-68N□T	0.85±0.2	0.068	60mV/50M	15	50	300	0.20	280
AFCI2012F-82N□T	0.85±0.2	0.082	60mV/50M	15	50	300	0.20	255
AFCI2012F-R10□T	0.85±0.2	0.1	60mV/25M	20	25	250	0.30	235
AFCI2012F-R12□T	0.85±0.2	0.12	60mV/25M	20	25	250	0.30	220
AFCI2012F-R15□T	0.85±0.2	0.15	60mV/25M	20	25	250	0.40	200
AFCI2012F-R18□T	0.85±0.2	0.18	60mV/25M	20	25	250	0.40	185
AFCI2012F-R22□T	0.85±0.2	0.22	60mV/25M	20	25	250	0.50	170
AFCI2012F-R27□T	0.85±0.2	0.27	60mV/25M	20	25	250	0.50	150
AFCI2012F-R33□T	0.85±0.2	0.33	60mV/25M	20	25	250	0.55	145
AFCI2012F-R39□T	0.85±0.2	0.39	60mV/25M	25	25	200	0.65	135
AFCI2012F-R47□T	1.25±0.2	0.47	60mV/25M	25	25	200	0.65	125
AFCI2012F-R56□T	1.25±0.2	0.56	60mV/25M	25	25	150	0.75	115
AFCI2012F-R68□T	1.25±0.2	0.68	60mV/25M	25	25	150	0.80	105
AFCI2012F-1R0□T	0.85±0.2	1	60mV/10M	45	10	50	0.40	75
AFCI2012F-1R5□T	0.85±0.2	1.5	60mV/10M	45	10	50	0.50	60
AFCI2012F-1R8□T	0.85±0.2	1.8	60mV/10M	45	10	50	0.60	55
AFCI2012F-2R2□T	0.85±0.2	2.2	60mV/10M	45	10	30	0.65	50
AFCI2012F-2R7□T	1.25±0.2	2.7	60mV/10M	45	10	30	0.75	45
AFCI2012F-3R3□T	1.25±0.2	3.3	60mV/10M	45	10	30	0.80	41
AFCI2012F-4R7□T	1.25±0.2	4.7	60mV/10M	45	10	30	1.00	35
AFCI2012F-100□T	1.25±0.2	10	60mV/2M	45	2	15	1.15	24

□:K=±10%,L=±15%,M=±20%

Ferrite Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.20	± 0.30
B	1.60	± 0.30
C	1.10	± 0.40
D	0.50	± 0.30



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance(uH)	Test Freq. (Hz)	Q Min	Test Freq. (MHz)	Rated Current (mA)Max	DC Resistance (Ω)Max	SRF (MHz) Min
AFCI3216F-47N□T	0.047	60mV/50M	20	50	300	0.15	320
AFCI3216F-68N□T	0.068	60mV/50M	20	50	300	0.25	280
AFCI3216F-R10□T	0.1	60mV/25M	20	25	250	0.25	235
AFCI3216F-R12□T	0.12	60mV/25M	20	25	250	0.30	220
AFCI3216F-R15□T	0.15	60mV/25M	20	25	250	0.30	200
AFCI3216F-R18□T	0.18	60mV/25M	20	25	250	0.40	185
AFCI3216F-R22□T	0.22	60mV/25M	20	25	250	0.40	170
AFCI3216F-R27□T	0.27	60mV/25M	20	25	250	0.50	150
AFCI3216F-R33□T	0.33	60mV/25M	20	25	250	0.50	145
AFCI3216F-R39□T	0.39	60mV/25M	25	25	250	0.60	135
AFCI3216F-R47□T	0.47	60mV/25M	25	25	200	0.60	125
AFCI3216F-R56□T	0.56	60mV/25M	25	25	200	0.70	115
AFCI3216F-R68□T	0.68	60mV/25M	25	25	150	0.80	105
AFCI3216F-R82□T	0.82	60mV/25M	25	25	150	0.90	100
AFCI3216F-1R0□T	1	60mV/10M	45	10	100	0.40	75
AFCI3216F-1R2□T	1.2	60mV/10M	45	10	100	0.50	65
AFCI3216F-1R5□T	1.5	60mV/10M	45	10	50	0.50	60
AFCI3216F-2R2□T	2.2	60mV/10M	45	10	50	0.60	50
AFCI3216F-3R3□T	3.3	60mV/10M	45	10	50	0.70	41
AFCI3216F-4R7□T	4.7	60mV/10M	45	10	50	0.90	35
AFCI3216F-100□T	10	60mV/2M	50	2	25	1.00	24

□:K=±10%,L=±15%,M=±20%

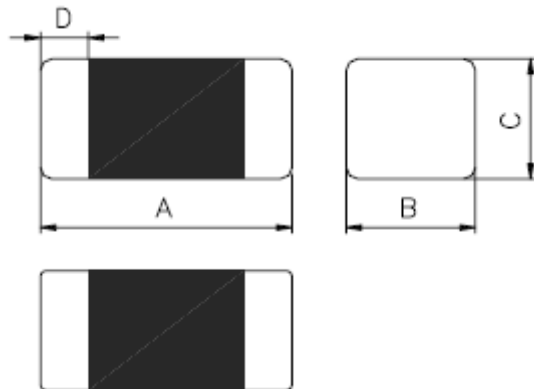


Amode Tech. Ltd.

ACPI160809 SERIES

Multilayer Type Power Inductor

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.60	± 0.25
B	0.80	± 0.25
C	0.95	Max
D	0.30	± 0.2



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Frequency (MHz)	Rated Current (mA)Max	DC Resistance(Ω)	
				Max	Typ
ACPI160809UF-R33MT	0.33±20%	1	350	0.35	0.27
ACPI160809UF-R50MT	0.5±20%	1	900	0.15	0.12
ACPI160809UF-1R0MT	1.0±20%	1	750	0.20	0.17
ACPI160809UF-2R2MT	2.2±20%	1	650	0.30	0.27

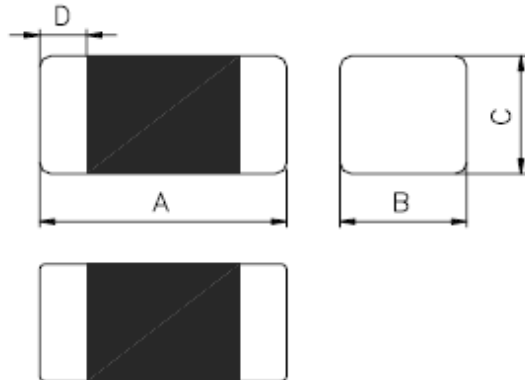


Amode Tech. Ltd.

ACPI201610UF SERIES

Multilayer Type Power Inductor

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.00	± 0.3
B	1.60	± 0.3
C	1.00	Max
D	0.50	± 0.3

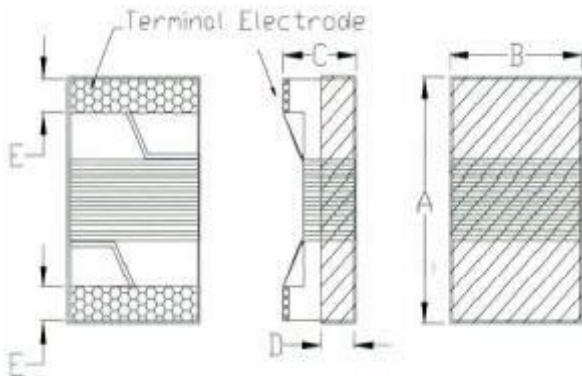


ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Frequency (MHz)	Rated Current (mA)Max	DC Resistance (Ω)±30%
ACPI201610UF-R47MT	0.47±20%	1	1600	0.075
ACPI201610UF-1R0MT	1.0±20%	1	1300	0.12
ACPI201610UF-1R5MT	1.5±20%	1	1200	0.13
ACPI201610UF-2R2MT	2.2±20%	1	1200	0.14
ACPI201610UF-3R3MT	3.3±20%	1	1100	0.16
ACPI201610UF-4R7MT	4.7±20%	1	900	0.20

Wirewound Ferrite Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.90	Max
B	1.30	Max
C	1.20	Max
D	0.38	Ref
E	0.35	± 0.10



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	SRF (MHz) Min	Rated Current (mA)Max	DC Resistance (Ω)Max	Q Min
ASWF1608C-47N□T	0.047	0.5V/7.96M	7.96	1500	1400	0.075	10
ASWF1608C-R10□T	0.1	0.5V/7.96M	7.96	1150	1400	0.130	10
ASWF1608C-R12□T	0.12	0.5V/7.96M	7.96	1100	1400	0.150	10
ASWF1608C-R15□T	0.15	0.5V/7.96M	7.96	1050	1300	0.150	10
ASWF1608C-R18□T	0.18	0.5V/7.96M	7.96	950	1300	0.150	10
ASWF1608C-R22□T	0.22	0.5V/7.96M	7.96	800	950	0.150	10
ASWF1608C-R24□T	0.24	0.5V/7.96M	7.96	800	620	0.310	10
ASWF1608C-R27□T	0.27	0.5V/7.96M	7.96	775	710	0.200	10
ASWF1608C-R33□T	0.33	0.5V/7.96M	7.96	725	620	0.350	10
ASWF1608C-R39□T	0.39	0.5V/7.96M	7.96	620	600	0.390	10
ASWF1608C-R47□T	0.47	0.5V/7.96M	7.96	540	570	0.430	10
ASWF1608C-R56□T	0.56	0.5V/7.96M	7.96	525	550	0.470	10
ASWF1608C-R68□T	0.68	0.5V/7.96M	7.96	460	470	0.520	10
ASWF1608C-R82□T	0.82	0.5V/7.96M	7.96	410	400	0.690	10
ASWF1608C-1R0□T	1	0.5V/7.96M	7.96	190	400	0.810	10
ASWF1608C-1R2□T	1.2	0.5V/7.96M	7.96	160	370	0.870	10
ASWF1608C-1R5□T	1.5	0.5V/7.96M	7.96	100	350	0.960	10



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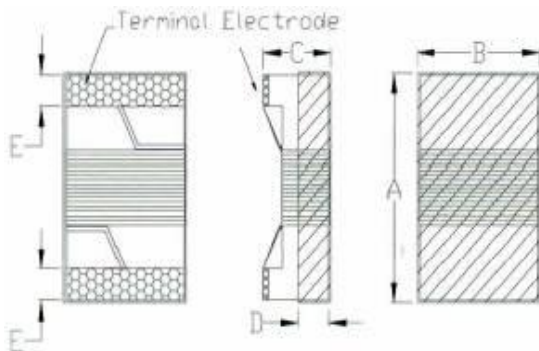
ASWF1608 SERIES

ASWF1608C-2R2□T	2.2	0.5V/7.96M	7.96	68	320	1.200	10
ASWF1608C-3R3□T	3.3	0.5V/7.96M	7.96	42	280	1.500	10
ASWF1608C-4R7□T	4.7	0.5V/7.96M	7.96	34	260	2.100	10
ASWF1608C-5R6□T	5.6	0.5V/7.96M	7.96	32	240	2.600	10
ASWF1608C-6R8□T	6.8	0.5V/7.96M	7.96	31	200	3.100	10
ASWF1608C-8R2□T	8.2	0.5V/7.96M	7.96	26	190	4.400	10
ASWF1608C-100□T	10	0.5V/2.52M	2.52	25	180	4.800	10

□:K=±10%,M=±20%

Wirewound Ferrite Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.50	Max
B	1.70	Max
C	1.40	Max
D	0.51	Ref
E	0.44	± 0.10



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	SRF (MHz) Min	Rated Current (mA)Max	DC Resistance (Ω)Max	Q Min
ASWF2012C-R47□T	0.47	0.5V/7.96M	7.96	720	750	0.20	10
ASWF2012C-R56□T	0.56	0.5V/7.96M	7.96	665	730	0.21	10
ASWF2012C-R68□T	0.68	0.5V/7.96M	7.96	565	670	0.28	10
ASWF2012C-R82□T	0.82	0.5V/7.96M	7.96	545	650	0.31	10
ASWF2012C-1R0□T	1	0.5V/7.96M	7.96	525	615	0.34	10
ASWF2012C-1R2□T	1.2	0.5V/7.96M	7.96	473	550	0.39	10
ASWF2012C-1R5□T	1.5	0.5V/7.96M	7.96	300	520	0.45	10
ASWF2012C-1R8□T	1.8	0.5V/7.96M	7.96	230	500	0.48	10
ASWF2012C-2R2□T	2.2	0.5V/7.96M	7.96	215	420	0.67	10
ASWF2012C-2R7□T	2.7	0.5V/7.96M	7.96	140	410	0.74	10
ASWF2012C-3R3□T	3.3	0.5V/7.96M	7.96	95	385	0.81	10
ASWF2012C-3R9□T	3.9	0.5V/7.96M	7.96	57	372	0.88	10
ASWF2012C-4R7□T	4.7	0.5V/7.96M	7.96	51	345	0.99	10
ASWF2012C-5R6□T	5.6	0.5V/7.96M	7.96	44	335	1.06	10
ASWF2012C-6R8□T	6.8	0.5V/7.96M	7.96	39	315	1.21	10
ASWF2012C-8R2□T	8.2	0.5V/7.96M	7.96	33	295	1.33	10
ASWF2012C-100□T	10	0.5V/2.52M	2.52	30	260	1.79	10
ASWF2012C-120□T	12	0.5V/2.52M	2.52	27	250	1.98	10
ASWF2012C-150□T	15	0.5V/2.52M	2.52	22	215	2.68	10
ASWF2012C-180□T	18	0.5V/2.52M	2.52	20	195	3.12	10
ASWF2012C-220□T	22	0.5V/2.52M	2.52	18	180	3.48	10
ASWF2012C-270□T	27	0.5V/2.52M	2.52	16	170	3.84	10
ASWF2012C-330□T	33	0.5V/2.52M	2.52	15	145	4.34	10

□:K=±10%,M=±20%

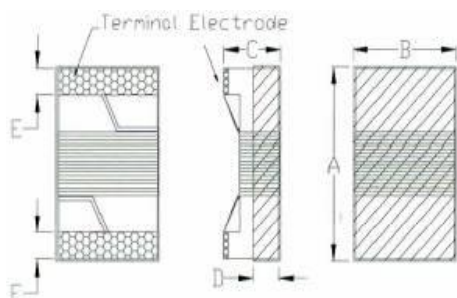


Amode Tech. Ltd.

ASWF2520 SERIES

Wirewound Ferrite Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.00	Max
B	2.60	Max
C	2.10	Max
D	1.20	Ref
E	0.55	± 0.10



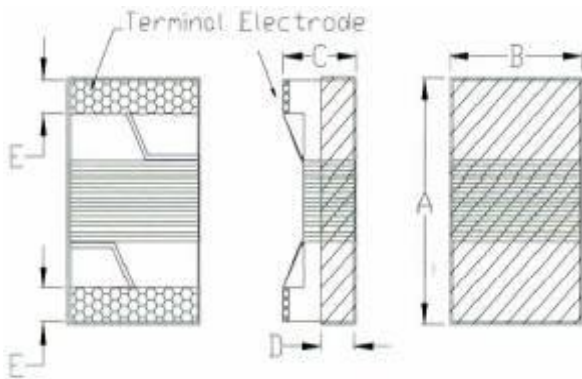
ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	SRF (MHz) Min	Rated Current (mA)Max	DC Resistance (Ω)Max	Q Min
ASWF2520C-1R0□T	1	0.5V/7.96M	7.96	345	1000	0.13	12
ASWF2520C-1R5□T	1.5	0.5V/7.96M	7.96	100	850	0.17	12
ASWF2520C-2R2□T	2.2	0.5V/7.96M	7.96	78	775	0.21	12
ASWF2520C-3R3□T	3.3	0.5V/7.96M	7.96	48	715	0.26	12
ASWF2520C-4R7□T	4.7	0.5V/7.96M	7.96	46	505	0.52	12
ASWF2520C-6R8□T	6.8	0.5V/7.96M	7.96	33	432	0.72	12
ASWF2520C-8R2□T	8.2	0.5V/2.52M	2.52	30	410	0.76	12
ASWF2520C-100□T	10	0.5V/2.52M	2.52	28	392	0.86	12
ASWF2520C-150□T	15	0.5V/2.52M	2.52	21	342	1.09	12
ASWF2520C-220□T	22	0.5V/2.52M	2.52	18	260	1.96	12
ASWF2520C-330□T	33	0.5V/2.52M	2.52	15	236	2.47	12

□:K=±10%,M=±20%

Wirewound Ferrite Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.70	Max
B	2.90	Max
C	2.60	Max
D	0.80	Ref
E	0.55	± 0.10



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Freq. (Hz)	Test Freq. (MHz)	SRF (MHz) Min	Rated Current (mA)Max	DC Resistance (Ω)Max	Q Min
ASWF3225C-1R0□T	1	0.5V/7.96M	7.96	290	1200	0.12	10
ASWF3225C-1R5□T	1.5	0.5V/7.96M	7.96	260	1000	0.13	10
ASWF3225C-2R2□T	2.2	0.5V/7.96M	7.96	190	880	0.17	10
ASWF3225C-3R3□T	3.3	0.5V/7.96M	7.96	64	775	0.22	10
ASWF3225C-4R7□T	4.7	0.5V/7.96M	7.96	54	710	0.26	10
ASWF3225C-6R8□T	6.8	0.5V/7.96M	7.96	34	660	0.30	10
ASWF3225C-100□T	10	0.5V/2.52M	2.52	25	570	0.39	10
ASWF3225C-150□T	15	0.5V/2.52M	2.52	17	440	0.66	10
ASWF3225C-220□T	22	0.5V/2.52M	2.52	16	400	0.82	10
ASWF3225C-330□T	33	0.5V/2.52M	2.52	12	285	1.50	10
ASWF3225C-390□T	39	0.5V/2.52M	2.52	12	270	1.66	10
ASWF3225C-470□T	47	0.5V/2.52M	2.52	10	260	1.90	10
ASWF3225C-680□T	68	0.5V/2.52M	2.52	9	235	2.29	10
ASWF3225C-101□T	100	0.5V/1M	1	7	190	3.48	10
ASWF3225C-151□T	150	0.5V/1M	1	5	140	6.55	10
ASWF3225C-221□T	220	0.5V/1M	1	4	115	8.23	10
ASWF3225C-331□T	330	0.5V/1M	1	2.8	98	13.70	10
ASWF3225C-471□T	470	0.5V/1M	1	2.6	86	18.10	10
ASWF3225C-681□T	680	0.5V/1M	1	2.3	76	22.00	10

□:K=± 10%,M=± 20%

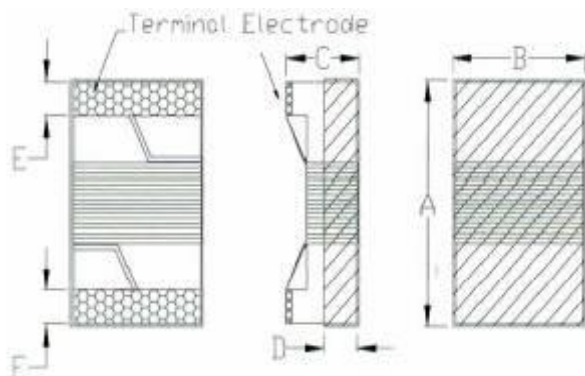


Amode Tech. Ltd.

ASWI0402 SERIES

High Frequency Wirewound Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.09	± 0.2
B	0.60	± 0.2
C	0.56	± 0.2
D	0.20	± 0.15
E	0.23	± 0.1



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (GHz) Min	Irms (mA) Max	DCR (Ω) Max	Q Min
ASWI0402F-1N0□T	1	S,J	0.1V/250M	12.7	1360	0.045	16
ASWI0402F-1N2□T	1.2	S,J	0.1V/250M	10.4	640	0.140	10
ASWI0402F-1N9□T	1.9	S,J	0.1V/250M	11.3	1040	0.070	16
ASWI0402F-2N0□T	2	S,J	0.1V/250M	11.1	1040	0.070	16
ASWI0402F-2N2□T	2.2	S,J	0.1V/250M	10.8	960	0.070	19
ASWI0402F-2N4□T	2.4	S,J	0.1V/250M	10.5	790	0.068	15
ASWI0402F-2N7□T	2.7	S,J	0.1V/250M	10.4	640	0.120	16
ASWI0402F-3N3□T	3.3	S,J	0.1V/250M	7	840	0.066	19
ASWI0402F-3N6□T	3.6	S,J	0.1V/250M	6.8	840	0.066	19
ASWI0402F-3N9□T	3.9	S,J	0.1V/250M	6	840	0.066	19
ASWI0402F-4N3□T	4.3	S,J	0.1V/250M	6	700	0.091	18
ASWI0402F-4N7□T	4.7	S,J	0.1V/250M	4.77	640	0.130	15
ASWI0402F-5N1□T	5.1	S,J	0.1V/250M	4.8	800	0.083	20
ASWI0402F-5N6□T	5.6	S,J	0.1V/250M	4.8	760	0.083	20
ASWI0402F-6N2□T	6.2	S,J	0.1V/250M	4.8	760	0.083	20
ASWI0402F-6N8□T	6.8	S,J	0.1V/250M	4.8	680	0.083	20
ASWI0402F-7N5□T	7.5	S,J	0.1V/250M	4.8	680	0.100	22
ASWI0402F-8N2□T	8.2	S,J	0.1V/250M	4.4	680	0.100	22
ASWI0402F-8N7□T	8.7	S,J	0.1V/250M	4.1	480	0.200	18
ASWI0402F-9N0□T	9	S,J	0.1V/250M	4.16	680	0.100	22



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ASWI0402 SERIES

ASWI0402F-9N5□T	9.5	S,J	0.1V/250M	4	480	0.200	18
ASWI0402F-10N□T	10	J,K	0.1V/250M	3.9	480	0.200	21
ASWI0402F-11N□T	11	J,K	0.1V/250M	3.68	640	0.120	24
ASWI0402F-12N□T	12	J,K	0.1V/250M	3.6	640	0.120	24
ASWI0402F-13N□T	13	J,K	0.1V/250M	3.45	440	0.210	24
ASWI0402F-15N□T	15	J,K	0.1V/250M	3.28	560	0.170	24
ASWI0402F-16N□T	16	J,K	0.1V/250M	3.1	560	0.220	24
ASWI0402F-18N□T	18	J,K	0.1V/250M	3.1	420	0.230	25
ASWI0402F-19N□T	19	J,K	0.1V/250M	3.04	480	0.200	24
ASWI0402F-20N□T	20	J,K	0.1V/250M	3	420	0.250	25
ASWI0402F-22N□T	22	J,K	0.1V/250M	2.8	400	0.300	25
ASWI0402F-23N□T	23	J,K	0.1V/250M	2.72	400	0.300	22
ASWI0402F-24N□T	24	J,K	0.1V/250M	2.7	400	0.300	25
ASWI0402F-27N□T	27	J,K	0.1V/250M	2.48	400	0.300	24
ASWI0402F-30N□T	30	J,K	0.1V/250M	2.35	400	0.350	25
ASWI0402F-33N□T	33	J,K	0.1V/250M	2.35	400	0.400	24
ASWI0402F-36N□T	36	J,K	0.1V/250M	2.32	320	0.440	24
ASWI0402F-39N□T	39	J,K	0.1V/250M	2.1	200	0.550	25
ASWI0402F-40N□T	40	J,K	0.1V/250M	2.24	320	0.440	24
ASWI0402F-43N□T	43	J,K	0.1V/250M	2.03	100	0.810	25
ASWI0402F-47N□T	47	J,K	0.1V/250M	2.1	150	0.830	20
ASWI0402F-51N□T	51	J,K	0.1V/250M	1.75	100	0.820	25
ASWI0402F-56N□T	56	J,K	0.1V/250M	1.76	100	0.970	22
ASWI0402F-68N□T	68	J,K	0.1V/250M	1.62	100	1.120	22
ASWI0402F-77N□T	77	J,K	0.1V/250M	1.26	50	1.800	22
ASWI0402F-72N□T	72	J,K	0.1V/250M	1.26	30	2.000	20
ASWI0402F-82N□T	82	J,K	0.1V/250M	1.26	50	1.550	22
ASWI0402F-R10□T	100	J,K	0.1V/250M	1.16	30	2.000	22
ASWI0402F-R12□T	120	J,K	0.1V/250M	1.16	50	2.400	22

□:S=±0.3nH,J=±5%,K=±10%,

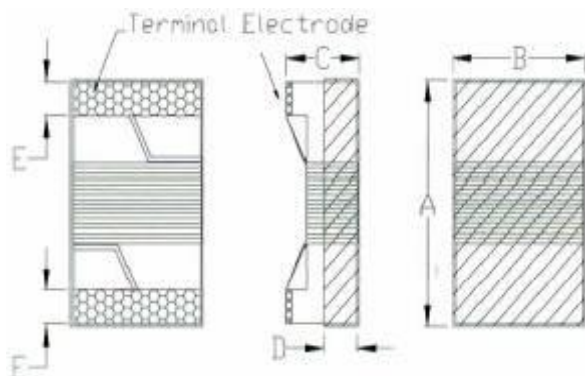


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ASWI0603 SERIES

High Frequency Wirewound Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.90	Max
B	1.30	Max
C	1.20	Max
D	0.38	Ref
E	0.35	± 0.1



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (MHz) Min	Irms (mA) Max	DCR (Ω) Max	Q @ 250MHz Min
ASWI0603F-2N0□T	2	C,S	0.1V/250M	8000	700	0.07	13
ASWI0603F-3N9□T	3.9	C,S	0.1V/250M	6900	700	0.07	22
ASWI0603F-4N7□T	4.7	C,J,K	0.1V/250M	5800	700	0.12	20
ASWI0603F-6N8□T	6.8	C,J,K	0.1V/250M	5800	700	0.08	27
ASWI0603F-8N2□T	8.2	C,J,K	0.1V/250M	4200	700	0.13	30
ASWI0603F-10N□T	10	J,K	0.1V/250M	4800	700	0.13	31
ASWI0603F-12N□T	12	J,K	0.1V/250M	4000	700	0.13	35
ASWI0603F-15N□T	15	J,K	0.1V/250M	4000	700	0.13	35
ASWI0603F-18N□T	18	J,K	0.1V/250M	3100	700	0.16	35
ASWI0603F-22N□T	22	J,K	0.1V/250M	3000	700	0.23	38
ASWI0603F-24N□T	24	J,K	0.1V/250M	2800	700	0.13	38
ASWI0603F-27N□T	27	G,J,K	0.1V/250M	2800	600	0.14	40
ASWI0603F-33N□T	33	J,K	0.1V/250M	2300	600	0.22	40
ASWI0603F-39N□T	39	J	0.1V/250M	2200	600	0.3	40
ASWI0603F-43N□T	43	G	0.1V/250M	2000	600	0.28	38
ASWI0603F-47N□T	47	J,K	0.1V/200M	2000	600	0.35	38
ASWI0603F-56N□T	56	J,K	0.1V/200M	1900	600	0.37	38
ASWI0603F-68N□T	68	J,K	0.1V/200M	1700	600	0.43	37
ASWI0603F-72N□T	72	J,K	0.1V/150M	1700	400	0.42	34
ASWI0603F-82N□T	82	J,K	0.1V/150M	1700	400	0.71	34



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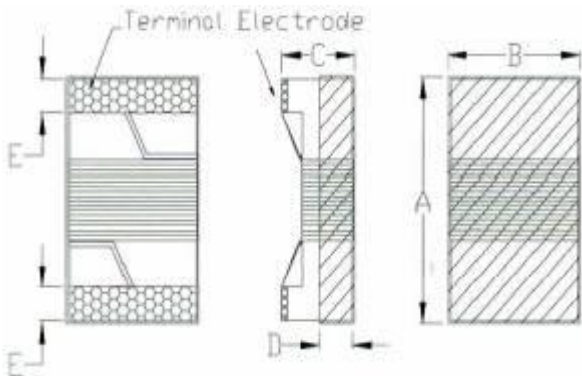
ASWI0603 SERIES

ASWI0603F-R10□T	100	J,K	0.1V/150M	1400	400	0.78	34
ASWI0603F-R12□T	120	J,K	0.1V/150M	1300	300	0.84	32
ASWI0603F-R15□T	150	J,K	0.1V/150M	990	280	0.96	28
ASWI0603F-R18□T	180	J,K	0.1V/100M	990	240	1.52	25
ASWI0603F-R22□T	220	J,K	0.1V/100M	900	200	2.02	25
ASWI0603F-R27□T	270	J,K	0.1V/100M	900	170	2.36	24
ASWI0603F-R33□T	330	J,K	0.1V/100M	700	185	3.4	24
ASWI0603F-R39□T	390	J,K	0.1V/100M	900	100	3.6	24

□:C=±0.2nH,S=±0.3nH,G=±2%,J=±5%,K=±10%

High Frequency Wirewound Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.39	Max
B	1.83	Max
C	1.52	Max
D	0.51	Ref
E	0.44	± 0.1



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (MHz) Min	Irms (mA) Max	DCR (Ω) Max	Q @Test Min
ASWI0805UF-2N8□T	2.8	C,S	0.1V/250M	7900	800	0.06	80/1500
ASWI0805UF-3N0□T	3	C,S	0.1V/250M	7900	800	0.06	65/1500
ASWI0805UF-3N3□T	3.3	C,S	0.1V/250M	7900	600	0.08	50/1500
ASWI0805UF-5N6□T	5.6	C,S	0.1V/250M	5500	600	0.08	65/1000
ASWI0805UF-6N8□T	6.8	C,J	0.1V/250M	5500	600	0.11	50/1000
ASWI0805UF-7N5□T	7.5	C,J	0.1V/250M	4500	600	0.14	50/1000
ASWI0805UF-8N2□T	8.2	C,J	0.1V/250M	4700	600	0.12	50/1000
ASWI0805UF-10N□T	10	G,J	0.1V/250M	4200	600	0.10	60/500
ASWI0805UF-12N□T	12	G,J	0.1V/250M	4000	600	0.15	50/500
ASWI0805UF-15N□T	15	G,J	0.1V/250M	3400	600	0.17	50/500
ASWI0805UF-18N□T	18	G,J	0.1V/250M	3300	600	0.20	50/500
ASWI0805UF-22N□T	22	G,J	0.1V/250M	2600	500	0.22	55/500
ASWI0805UF-24N□T	24	G,J	0.1V/250M	2000	500	0.22	50/500
ASWI0805UF-27N□T	27	G,J	0.1V/250M	2500	500	0.25	55/500
ASWI0805UF-33N□T	33	G,J	0.1V/250M	2050	500	0.27	60/500
ASWI0805UF-36N□T	36	G,J	0.1V/250M	1700	500	0.27	55/500
ASWI0805UF-39N□T	39	G,J	0.1V/250M	2000	500	0.29	60/500
ASWI0805UF-43N□T	43	G,J	0.1V/200M	1650	500	0.34	60/500
ASWI0805UF-47N□T	47	G,J	0.1V/200M	1650	500	0.31	60/500
ASWI0805UF-56N□T	56	G,J	0.1V/200M	1550	500	0.34	60/500
ASWI0805UF-68N□T	68	G,J	0.1V/200M	1450	500	0.38	60/500



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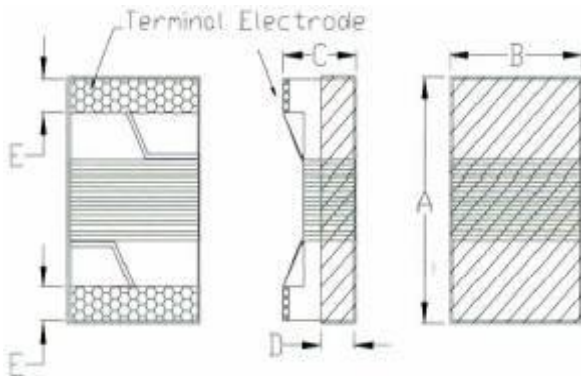
ASWI0805 SERIES

ASWI0805UF-82N□T	82	G,J	0.1V/150M	1300	400	0.42	65/500
ASWI0805UF-91N□T	91	G,J	0.1V/150M	1200	400	0.48	65/500
ASWI0805UF-R10□T	100	G,J	0.1V/150M	1200	400	0.46	65/500
ASWI0805UF-R11□T	110	G,J	0.1V/150M	1000	400	0.48	50/250
ASWI0805UF-R12□T	120	G,J	0.1V/150M	1100	400	0.51	50/250
ASWI0805UF-R15□T	150	G,J	0.1V/100M	920	400	0.56	50/250
ASWI0805UF-R18□T	180	G,J	0.1V/100M	870	400	0.64	50/250
ASWI0805UF-R20□T	200	G,J	0.1V/100M	860	400	0.68	50/250
ASWI0805UF-R22□T	220	G,J	0.1V/100M	850	400	0.70	50/250
ASWI0805UF-R24□T	240	G,J	0.1V/100M	690	350	1.00	44/250
ASWI0805UF-R25□T	250	G,J	0.1V/100M	660	350	1.20	45/250
ASWI0805UF-R27□T	270	G,J	0.1V/100M	650	350	1.00	48/250
ASWI0805UF-R33□T	330	G,J	0.1V/100M	600	310	1.40	48/250
ASWI0805UF-R39□T	390	G,J	0.1V/100M	5600	290	1.50	48/250
ASWI0805UF-R47□T	470	G,J	0.1V/50M	375	250	1.70	33/100
ASWI0805UF-R56□T	560	G,J	0.1V/25M	340	230	1.90	23/50
ASWI0805UF-R62□T	620	G,J	0.1V/25M	220	210	2.20	23/50
ASWI0805UF-R68□T	680	G,J	0.1V/25M	188	190	2.20	23/50
ASWI0805UF-R82□T	820	G,J	0.1V/25M	215	180	2.35	23/50
ASWI0805UF-1R0□T	1000	G,J	0.1V/25M	100	170	2.50	20/50
ASWI0805UF-1R2□T	1200	G,J	0.1V/7.9M	100	170	2.50	18/25

□:C=±0.2nH,S=±0.3nH,G=±2%,J=±5%,K=±10%,

High Frequency Wirewound Chip Inductors

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.02	Max
B	2.89	Max
C	2.20	Max
D	1.20	Ref
E	0.55	± 0.1



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (nH)	Tolerance	Test Freq. (Hz)	SRF (MHz) Min	Irms (mA) Max	DCR (Ω) Max	Q @Test Min
ASWI1008UF-10□T	10	G,J,K	0.1V/50M	4100	1000	0.08	50/500
ASWI1008UF-12N□T	12	G,J,K	0.1V/50M	3300	1000	0.09	50/500
ASWI1008UF-15N□T	15	G,J,K	0.1V/50M	2500	1000	0.18	50/500
ASWI1008UF-18N□T	18	G,J,K	0.1V/50M	2500	1000	0.11	50/350
ASWI1008UF-22N□T	22	G,J,K	0.1V/50M	2400	1000	0.12	55/350
ASWI1008UF-27N□T	27	G,J,K	0.1V/50M	1600	1000	0.13	55/350
ASWI1008UF-33N□T	33	G,J,K	0.1V/50M	1600	1000	0.14	60/350
ASWI1008UF-39N□T	39	G,J,K	0.1V/50M	1500	1000	0.15	60/350
ASWI1008UF-47N□T	47	G,J,K	0.1V/50M	1500	1000	0.16	65/350
ASWI1008UF-56N□T	56	G,J,K	0.1V/50M	1300	1000	0.18	65/350
ASWI1008UF-68N□T	68	G,J,K	0.1V/50M	1300	1000	0.20	65/350
ASWI1008UF-82N□T	82	G,J,K	0.1V/50M	1000	1000	0.22	60/350
ASWI1008UF-R10□T	100	G,J,K	0.1V/25M	1000	650	0.56	60/350
ASWI1008UF-R12□T	120	G,J,K	0.1V/25M	950	650	0.63	60/350
ASWI1008UF-R15□T	150	G,J,K	0.1V/25M	850	580	0.70	45/100
ASWI1008UF-R18□T	180	G,J,K	0.1V/25M	750	620	0.77	45/100
ASWI1008UF-R22□T	220	G,J,K	0.1V/25M	700	500	0.84	45/100
ASWI1008UF-R27□T	270	G,J,K	0.1V/25M	600	500	0.91	45/100
ASWI1008UF-R33□T	330	G,J,K	0.1V/25M	570	450	1.05	45/100
ASWI1008UF-R39□T	390	G,J,K	0.1V/25M	500	470	1.12	45/100



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ASWI1008 SERIES

ASWI1008UF-R47□T	470	G,J,K	0.1V/25M	450	470	1.19	45/100
ASWI1008UF-R56□T	560	G,J,K	0.1V/25M	415	400	1.33	45/100
ASWI1008UF-R62□T	620	G,J,K	0.1V/25M	375	300	1.40	45/100
ASWI1008UF-R68□T	680	G,J,K	0.1V/25M	375	400	1.47	45/100
ASWI1008UF-R75□T	750	G,J,K	0.1V/25M	360	360	1.54	45/100
ASWI1008UF-R82□T	820	G,J,K	0.1V/25M	350	400	1.61	45/100
ASWI1008UF-R91□T	910	G,J,K	0.1V/25M	320	380	1.68	35/50
ASWI1008UF-1R0JT	1000	J	0.1V/25M	290	370	1.75	35/50
ASWI1008UF-1R2□T	1200	G,J,K	0.1V/7.9M	250	310	2.00	35/50
ASWI1008UF-1R5□T	1500	G,J,K	0.1V/7.9M	200	330	2.23	28/50
ASWI1008UF-1R8□T	1800	G,J,K	0.1V/7.9M	160	300	2.60	28/50
ASWI1008UF-2R2□T	2200	G,J,K	0.1V/7.9M	160	280	2.80	28/50
ASWI1008UF-2R7JT	2700	J	0.1V/7.9M	140	290	3.20	22/25
ASWI1008UF-3R3□T	3300	G,J,K	0.1V/7.9M	110	290	3.40	22/25
ASWI1008UF-3R9□T	3900	G,J,K	0.1V/7.9M	100	260	3.60	20/25
ASWI1008UF-4R7JT	4700	J	0.1V/7.9M	32	200	4.00	18/7.9
ASWI1008UF-5R6□T	5600	G,J,K	0.1V/7.9M	45	240	4.00	18/7.9
ASWI1008UF-6R8□T	6800	G,J,K	0.1V/7.9M	40	200	4.90	18/7.9
ASWI1008UF-8R2□T	8200	G,J,K	0.1V/7.9M	25	170	6.00	18/7.9
ASWI1008UF-100□T	10000	G,J,K	0.1V/2.52M	25	150	8.00	18/7.9

□:C=±0.2nH,S=±0.3nH,G=±2%,J=±5%,K=±10%,

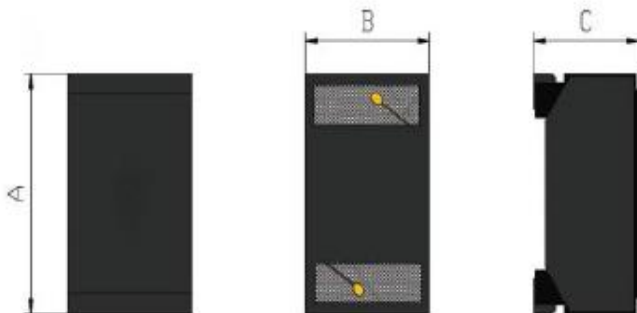


Amode Tech. Ltd.

AFLC1608EJ SERIES

Multilayer Type Power Inductor

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.80	Max
B	1.30	Max
C	1.15	Max

ELECTRICAL CHARACTERISTICS:



Parts Number	Inductance (uH)	DC Resistance (mΩ)Max	Isat (A)Typ	Irms (A)Typ	Test Frequency (MHz)
AFLC1608EJ-1R0□T	1.0	218	0.60	1.10	1.0
AFLC1608EJ-2R2□T	2.2	450	0.50	0.65	1.0
AFLC1608EJ-4R7□T	4.7	674	0.35	0.55	1.0
AFLC1608EJ-100□T	10.0	1488	0.25	0.35	1.0
AFLC1608EJ-150□T	15.0	2520	0.20	0.25	1.0
AFLC1608EJ-220□T	22.0	3036	0.15	0.15	1.0

□:J=±5%,K=±10%,M=±20%

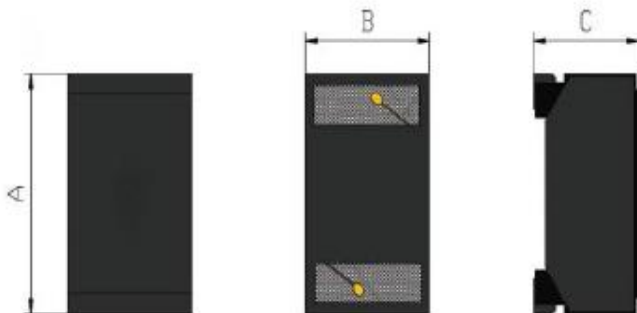


Amode Tech. Ltd.

AFLC1608FJ SERIES

Multilayer Type Power Inductor

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.80	Max
B	1.30	Max
C	1.30	Max

ELECTRICAL CHARACTERISTICS:

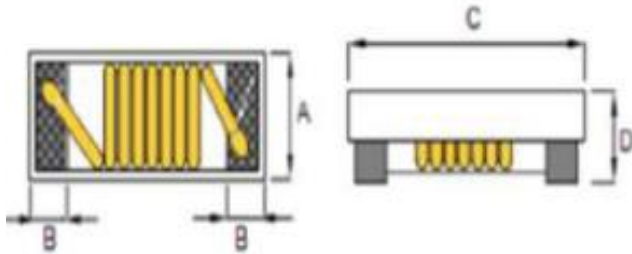


Parts Number	Inductance (uH)	DC Resistance (mΩ)Max	Isat (A)Typ	Irms (A)Typ	Test Frequency (MHz)
AFLC1608FJ-1R0□T	1.0±20%	195	0.55	1.20	1.0
AFLC1608FJ-2R2□T	2.2±20%	390	0.45	0.75	1.0
AFLC1608FJ-4R7□T	4.7±20%	674	0.35	0.55	1.0
AFLC1608FJ-100□T	10±20%	1430	0.20	0.38	1.0
AFLC1608FJ-150□T	15±20%	2340	0.15	0.30	1.0
AFLC1608FJ-220□T	22±20%	2860	0.10	0.25	1.0

□:J=±5%,K=±10%,M=±20%

Multilayer Type Power Inductor

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.20	Max
B	0.33	Ref
C	1.80	Max
D	1.00	Max



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Frequency (MHz)	Isat (A)Max	DCR (mΩ)Max
AFLC1608J-R27□T	0.27	7.9	0.95	338
AFLC1608J-R47□T	0.47	7.9	0.92	338
AFLC1608J-R68□T	0.68	7.9	0.92	351
AFLC1608J-R78□T	0.78	7.9	0.92	364
AFLC1608J-1R0□T	1.0	7.9	0.86	416
AFLC1608J-1R5□T	1.5	7.9	0.72	520
AFLC1608J-1R8□T	1.8	7.9	0.64	559
AFLC1608J-2R2□T	2.2	7.9	0.60	728
AFLC1608J-2R7□T	2.7	7.9	0.54	806
AFLC1608J-3R3□T	3.3	7.9	0.50	910
AFLC1608J-3R9□T	3.9	7.9	0.46	1079
AFLC1608J-4R7□T	4.7	7.9	0.40	1261
AFLC1608J-5R6□T	5.6	7.9	0.38	1800
AFLC1608J-6R8□T	6.8	7.9	0.34	1950
AFLC1608J-8R2□T	8.2	7.9	0.30	2184

□:J=±5%,K=±10%,M=±20%



Amode Tech. Ltd.

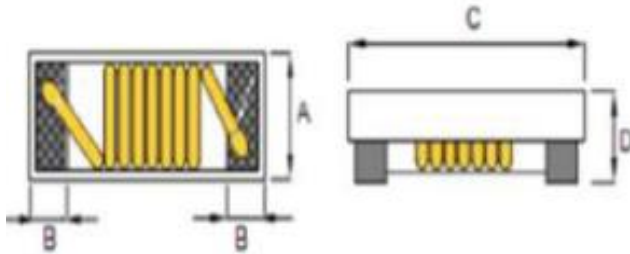
AFLC1608J SERIES

AFLC1608J-100□T	10.0	2.5	0.28	2405
AFLC1608J-120□T	12.0	2.5	0.26	2964
AFLC1608J-150□T	15.0	2.5	0.24	4440
AFLC1608J-180□T	18.0	2.5	0.22	5040
AFLC1608J-220□T	22.0	2.5	0.20	5640
AFLC1608J-270□T	27.0	2.5	0.14	6760
AFLC1608J-330□T	33.0	2.5	0.12	7320
AFLC1608J-470□T	47.0	2.5	0.10	8640

□:J=±5%,K=±10%,M=±20%

Multilayer Type Power Inductor

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	1.65	Max
B	0.44	± 0.1
C	2.40	Max
D	1.20	± 0.1



ELECTRICAL CHARACTERISTICS:

Parts Number	Inductance (uH)	Test Frequency (MHz)	Isat (A)Max	DCR (mΩ)Max
AFLC2012J-R10□T	0.10	7.9	2.40	91
AFLC2012J-R15□T	0.15	7.9	1.90	104
AFLC2012J-R22□T	0.22	7.9	1.70	130
AFLC2012J-R47□T	0.47	7.9	1.40	156
AFLC2012J-R68□T	0.68	7.9	1.20	195
AFLC2012J-R82□T	0.82	7.9	1.10	195
AFLC2012J-1R0□T	1.00	7.9	1.10	205
AFLC2012J-1R2□T	1.20	7.9	0.96	208
AFLC2012J-1R5□T	1.50	7.9	0.92	221
AFLC2012J-1R8□T	1.80	7.9	0.86	260
AFLC2012J-2R2□T	2.20	7.9	0.74	286
AFLC2012J-2R7□T	2.70	7.9	0.68	325
AFLC2012J-3R3□T	3.30	7.9	0.62	364
AFLC2012J-3R9□T	3.90	7.9	0.58	494
AFLC2012J-4R7□T	4.70	7.9	0.52	559

□:J=±5%,K=±10%,M=±20%



Amode Tech. Ltd.

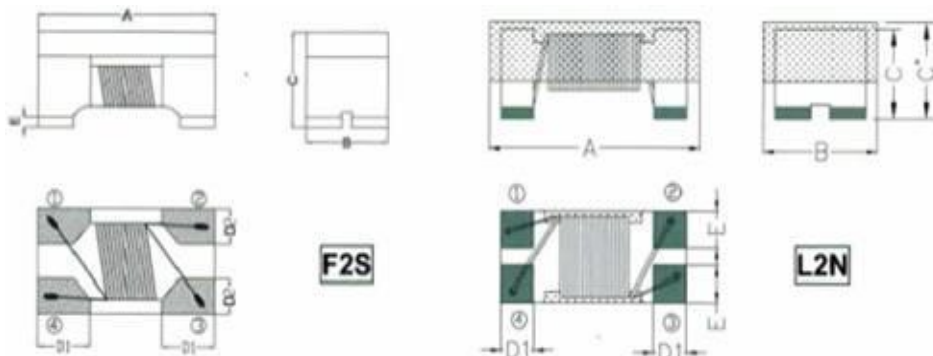
AFLC2012J SERIES

AFLC2012J-5R6□T	5.60	7.9	0.48	650
AFLC2012J-6R8□T	6.80	7.9	0.42	884
AFLC2012J-8R2□T	8.2	7.9	0.40	949
AFLC2012J-100□T	10.0	2.5	0.36	1105
AFLC2012J-120□T	12.0	2.5	0.34	1170
AFLC2012J-150□T	15.0	2.5	0.30	1820
AFLC2012J-180□T	18.0	2.5	0.28	2015
AFLC2012J-220□T	22.0	2.5	0.24	2288
AFLC2012J-270□T	27.0	2.5	0.22	2600
AFLC2012J-330□T	33.0	2.5	0.20	3673
AFLC2012J-390□T	39.0	2.5	0.18	4355
AFLC2012J-470□T	47.0	2.5	0.16	6604
AFLC2012J-560□T	56.0	2.5	0.15	6360
AFLC2012J-680□T	68.0	2.5	0.14	7200

□:J=±5%,K=±10%,M=±20%

Wirewound Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

Series	A(mm)	B(mm)	C(mm)	C'(mm)	D1(mm)	D2(mm)	E(mm)
F2S	2.0±0.3	1.2±0.3	1.2±0.3	-	0.55±0.1	0.46±0.1	0.15±0.1
L2N	2.5 max	1.7 max	0.9±0.2	1.0±0.2	0.55±0.1	-	0.46±0.1



ELECTRICAL CHARACTERISTICS:

Parts Number	Impedance (Ω)	Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AWCM2012F-670T04	67±25%	100	0.25	400	50	125	10M
AWCM2012F-900T04	90±25%	100	0.30	400	50	125	10M
AWCM2012F-121T04	120±25%	100	0.30	400	50	125	10M
AWCM2012F-161T04	160±25%	100	0.35	350	50	125	10M
AWCM2012F-181T03	180±25%	100	0.35	350	50	125	10M
AWCM2012F-201T03	200±25%	100	0.40	300	50	125	10M
AWCM2012F-221T03	220±25%	100	0.40	300	50	125	10M
AWCM2012F-261T03	260±25%	100	0.40	300	50	125	10M
AWCM2012F-361T03	360±25%	100	0.50	300	50	125	10M
AWCM2012F-601T03	600±25%	100	0.88	300	50	125	10M
AWCM2012F-102T01	1000±25%	100	1.30	100	50	125	10M

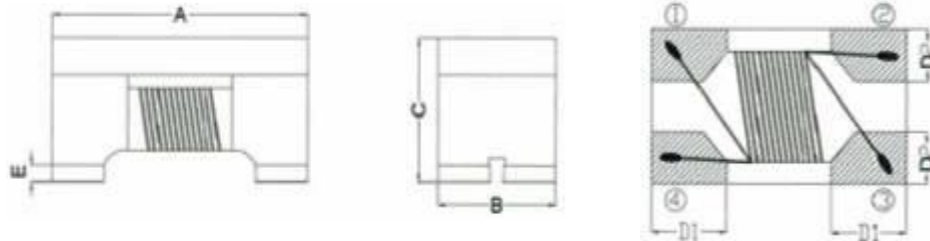


Amode Tech. Ltd.

AWCM3216 SERIES

Wirewound Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.20	± 0.3
B	1.60	± 0.3
C	2.00	± 0.3
D1	0.50	± 0.1
D2	0.50	± 0.1
E	0.15	± 0.1

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AWCM3216F-900T04	90±25%	100	0.30	400	50	125	10M
AWCM3216F-121T03	120±25%	100	0.30	350	50	125	10M
AWCM3216F-161T03	160±25%	100	0.40	350	50	125	10M
AWCM3216F-221T03	220±25%	100	0.45	300	50	125	10M
AWCM3216F-261T03	260±25%	100	0.50	300	50	125	10M
AWCM3216F-361T03	360±25%	100	0.60	300	50	125	10M
AWCM3216F-601T03	600±25%	100	0.80	300	50	125	10M
AWCM3216F-102T02	1000±25%	100	1.00	230	50	125	10M
AWCM3216F-222T02	2200±25%	100	1.20	200	50	125	10M

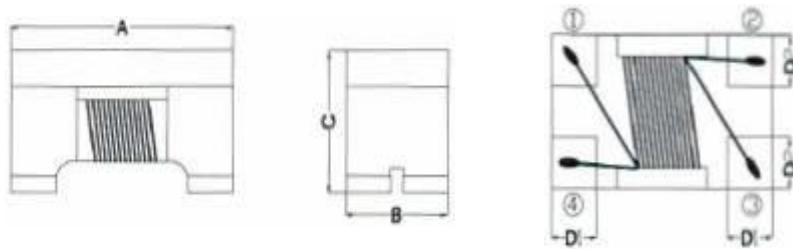


Amode Tech. Ltd.

AWCM3225 SERIES

Wirewound Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.20	± 0.3
B	2.50	± 0.3
C	2.20	± 0.3
D1	0.80	± 0.1
D2	0.90	± 0.1



ELECTRICAL CHARACTERISTICS:

Parts Number	Impedance (Ω)	Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AWCM3225F-900T10	90±25%	100	0.027	1000	50	125	10M
AWCM3225F-601T10	600±25%	100	0.200	1000	50	125	10M
AWCM3225F-102T04	1000±25%	100	0.300	400	50	125	10M

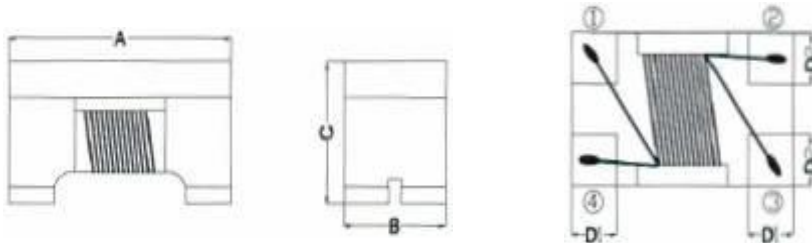


Amode Tech. Ltd.

AWCM4532 SERIES

Wirewound Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	4.50	± 0.3
B	3.20	± 0.3
C	2.80	± 0.3
D1	1.00	± 0.1
D2	1.20	± 0.1

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AWCM4532F-800T30	80±25%	100	0.05	3000	50	125	10M
AWCM4532F-900T20	90±25%	100	0.05	2000	50	125	10M
AWCM4532F-900T30	90±25%	100	0.05	3000	50	125	10M
AWCM4532F-121T30	120±25%	100	0.05	3000	50	125	10M
AWCM4532F-201T15	200±25%	100	0.10	1500	50	125	10M
AWCM4532F-601T15	600±25%	100	0.24	1500	50	125	10M
AWCM4532F-801T10	800±25%	100	0.24	1000	50	125	10M



Amode Tech. Ltd.

AHDMI2012 SERIES

Wirewound Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.00	± 0.30
B	1.20	± 0.30
C	1.20	± 0.30
D1	0.55	± 0.1
D2	0.46	± 0.1
E	0.15	± 0.1

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)		Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AHDMI2012F-670T04	67 typ.	50 min.	100	0.30	400	50	125	10M
AHDMI2012F-900T04	90 typ.	65 min.	100	0.30	400	50	125	10M



Amode Tech. Ltd.

AHSF1210 SERIES

Wirewound Common Mode Chokes

MECHANICAL DIMENSION :

DIMENSIONS (mm)



A	1.20	± 0.3
B	1.00	± 0.3
C	0.90	Max
D1	0.35	± 0.1
D2	0.35	± 0.1
E	0.03	Min

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AHSF1210F-350T02	35±25%	100	0.30	200	50	125	10M
AHSF1210F-500T02	50±25%	100	0.30	250	50	125	10M
AHSF1210F-600T02	60±25%	100	0.30	250	50	125	10M
AHSF1210F-670T02	67±25%	100	0.30	250	50	125	10M
AHSF1210F-900T02	90±25%	100	0.40	200	50	125	10M

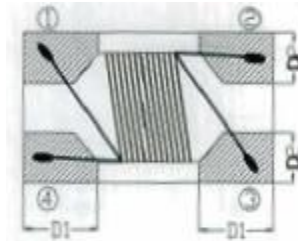
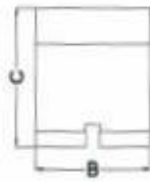
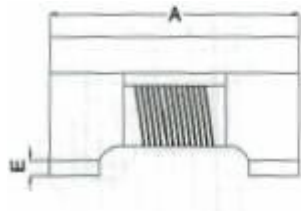


Amode Tech. Ltd.

AHSF2012 SERIES

Wirewound Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.00	± 0.3
B	1.20	± 0.3
C	1.20	± 0.3
D1	0.55	± 0.1
D2	0.46	± 0.1
E	0.15	± 0.1

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
AHSF2012F-500T04	50±25%	100	0.25	400	50	125	10M
AHSF2012F-670T04	67±25%	100	0.30	400	50	125	10M
AHSF2012F-900T04	90±25%	100	0.30	400	50	125	10M



Amode Tech. Ltd.

ALCM4532 SERIES

Wirewound Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	4.50	± 0.3
B	3.20	± 0.3
C	2.80	± 0.3
D1	1.00	± 0.1
D2	1.20	± 0.1

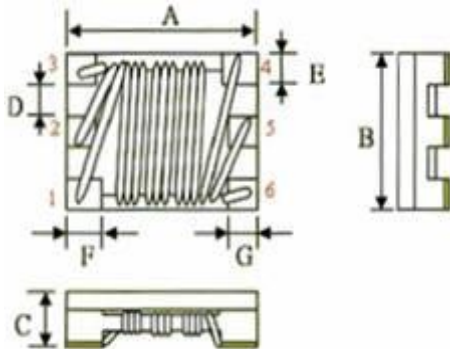
ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)		Impedance(Ω) (μH)+50/-30% [100KHz]	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	IR (Ω) Min
ALCM4532F-110T03	300 min.	700 typ.	11	0.80	300	50	10M
ALCM4532F-220T02	500 min.	1000 typ.	22	2.65	200	50	10M
ALCM4532F-510T02	1000 min.	2000 typ.	51	3.50	200	50	10M
ALCM4532F-101T02	2000 min.	5000 typ.	100	8.90	200	50	10M

Tri-wires Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.50	± 0.3
B	2.00	± 0.3
C	1.30	Max
D	0.20	± 0.1
E	0.55	± 0.1
F	0.45	± 0.1
G	0.55	± 0.1

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
ATCM252013F-670T05	67±25%	100	0.2	500	50	125	10M

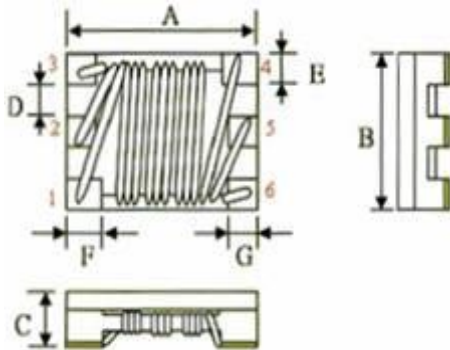


Amode Tech. Ltd.

ATCM322512 SERIES

Tri-wires Common Mode Chokes

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	3.20	± 0.3
B	2.50	± 0.3
C	1.30	Max
D	0.40	± 0.1
E	0.60	± 0.1
F	0.50	± 0.1
G	0.50	± 0.1

ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance (Ω)	Test Freq. (MHz)	DC Resistance (Ω)Max	Rated Current (mA)Max	Rated Volt (Vdc)Max	Withstand Volt (Vdc)Max	IR (Ω) Min
ATCM322512F-161T02	160±25%	100	0.21	200	50	125	10M
ATCM322512F-241T03	240±25%	100	0.33	300	50	125	10M
ATCM322512F-501T05	500±25%	100	0.43	500	50	125	10M

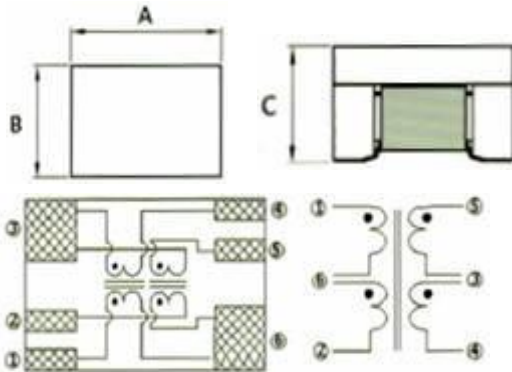


Amode Tech. Ltd.

ATXF4532 SERIES

LAN Transformer

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	4.50	± 0.3
B	3.25	± 0.3
C	2.6Max/2.9Max	

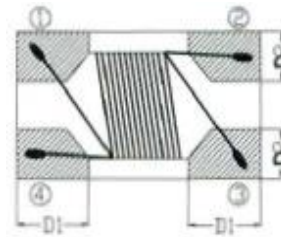
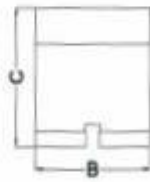
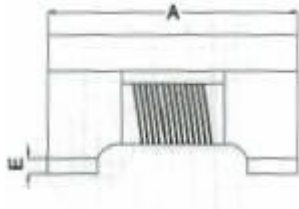
ELECTRICAL CHARACTERISTICS:



Parts Number	Impedance(μ H) ①to②or④to⑤	Test Freq. (MHz)	Insertion loss	Cp Capacitance(Pf) ③to⑥	Turns ratio ①to②or④to⑤
ATXF453226NF-351	350 μ H (typ)	100K/0.1	1-100MHZ -1.5dB Max	35pf(typ)	1:1
ATXF453229NF-351	350 μ H	100K/0.1	1-100MHZ -1.5dB Max	35pf	1:1

Balun Filters

MECHANICAL DIMENSION :



DIMENSIONS (mm)

A	2.00	± 0.3
B	1.20	± 0.3
C	1.20	± 0.3
D1	0.55	± 0.1
D2	0.46	± 0.1
E	0.15	± 0.1

ELECTRICAL CHARACTERISTICS:



Parts Number	UB/B Impedance (Ω)	Test Freq. (GHz)	DC Resistance (Ω)Max	Rated power (dBm)Ma x	Rated Volt (DCV)Max	Withstand Volt (DCV)Max	IR (Ω) Min	Insertion Loss(dB)1 to 1.5 GHZ	CMRR(d B) 1 to 1.5 GHZ
ABCM2012F-75011-121	75±15	1-1.5	0.59	27	20	50	10M	1.4 max	20 min