

Wire Wound Chip Common Mode Choke Coil

ACMC-S Series

Operating Temp. : -40℃~+125℃

FEATURES:

- Small size,high reliability.
- High quality,fast delivery,low cost.
- AEC-Q200 verified.

APPLICATIONS:

- Automotive USB 2.0 etc.

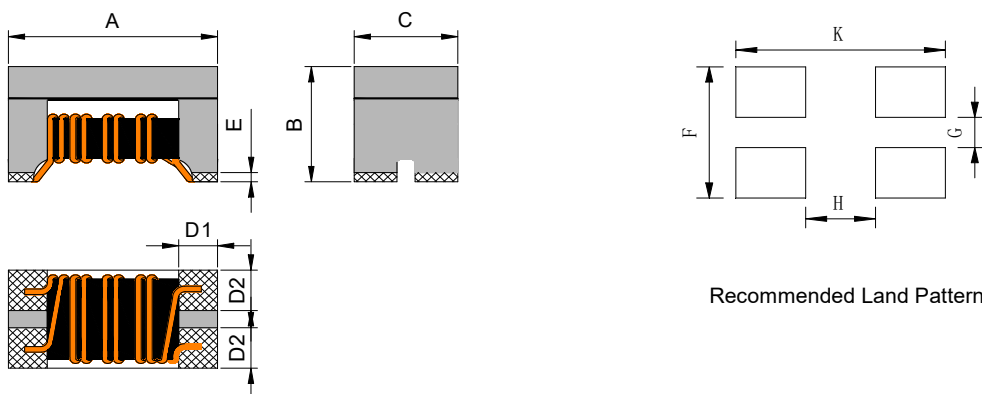
PART NUMBERING SYSTEM:

ACMC 2012 S - 900 - 2P - T

① ② ③ ④ ⑤ ⑥

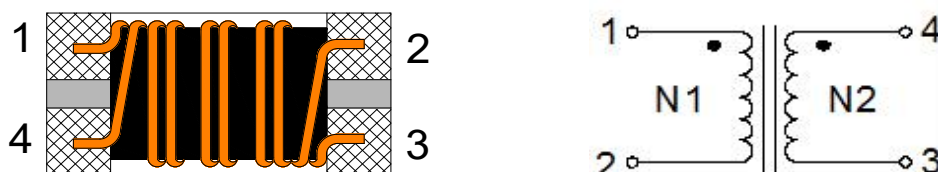
- ①: Automobile Type
- ②: External Dimensions (L*W:2.0*1.2mm)
- ③: Signal
- ④: Impedance (900 = 90Ω)
- ⑤: Number of line : 2
- ⑥: Packaging : T=Tape and reel

SHAPES AND DIMENSIONS: (Unit:mm)



SERIES	A	B	C	D1	D2	E	F	G	H	K
ACMC2012S	2.0±0.2	1.2±0.2	1.2±0.2	0.5 Ref	0.45Ref	0.17Max	1.2Ref	0.4Ref	0.8 Ref	2.6Ref
ACMC3225S	3.2±0.2	2.5Max	2.5±0.2	0.8 Ref	0.8Ref	0.25Max	3.5Ref	0.6Ref	1.6 Ref	4.1Ref
ACMC4532S	4.5±0.2	2.6±0.2	3.2±0.2	0.75 Ref	0.75Ref	0.5Max	3.4Ref	1.6Ref	2.9 Ref	5.5Ref

SCHEMATIC:



ACMC2012S Series

SPECIFICATION TABLE:

Part No.	Impedance (Ω)	Test Frequency (MHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (M Ω) Min.
ACMC2012S-670-2P-T	67 $\pm$ 25%	100	0.18	420	50	10
ACMC2012S-900-2P-T	90 $\pm$ 25%	100	0.22	400	50	10
ACMC2012S-121-2P-T	120 $\pm$ 25%	100	0.22	400	50	10
ACMC2012S-181-2P-T	180 $\pm$ 25%	100	0.28	350	50	10
ACMC2012S-201-2P-T	200 $\pm$ 25%	100	0.30	300	50	10
ACMC2012S-361-2P-T	360 $\pm$ 25%	100	0.39	300	50	10

ACMC3225S Series

Part No.	Impedance (Ω)	Test Frequency (MHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (M Ω) Min.
ACMC3225S-900-2P-T	90 $\pm$ 25%	100	0.05	1000	50	10
ACMC3225S-501-2P-T	500 $\pm$ 25%	100	0.18	1000	50	10
ACMC3225S-601-2P-T	600 $\pm$ 25%	100	0.20	1000	50	10
ACMC3225S-102-2P-T	1000 $\pm$ 25%	100	0.30	750	50	10
ACMC3225S-222-2P-T	2200 $\pm$ 25%	100	0.30	640	50	10
ACMC3225S-242-2P-T	2400 $\pm$ 25%	100	0.30	1100	50	10

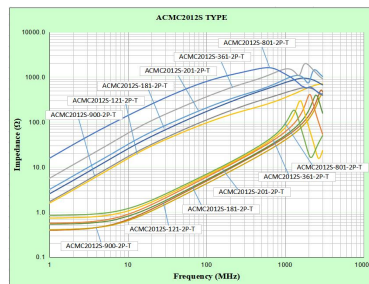
ACMC4532S Series

Part No.	Impedance (Ω)	Test Frequency (MHz)/0.1V	DCR (Ω) Max	Max. Rated Current (mA)	Rated Voltage (Vdc)	Insulation Resistance (M Ω) Min.
ACMC4532S-701-2P-T	700 $\pm$ 25%	100	0.15	1000	50	10
ACMC4532S-901-2P-T	900 $\pm$ 25%	100	0.15	1000	50	10
ACMC4532S-142-2P-T	1400 $\pm$ 25%	100	0.20	1000	50	10

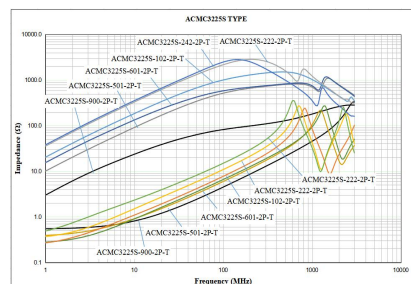
- Operating temperature range: -40 $^{\circ}$ C ~ +125 $^{\circ}$ C (Including self - temperature rise)
- Storage temperature range (packaging conditions): -10 $^{\circ}$ C ~ -40 $^{\circ}$ C RH 70% (Max.)

Impedance Vs Frequency Curve

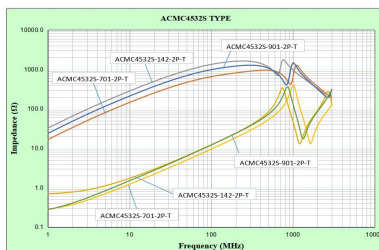
TYPICAL ELECTRICAL CHARACTERISTICS:



ACMC2012S Series



ACMC3225S Series



ACMC4532S Series