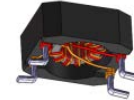


Small Magnetic Ring Communication Common Mode Choke Coil- ACSR Series

Operating Temp. : -50°C ~+150°C



FEATURES

- The circular type, small size and low profile
- Suppression of common mode noise at high frequency
- Excellent mechanical
- AEC-Q200 verified

APPLICATIONS

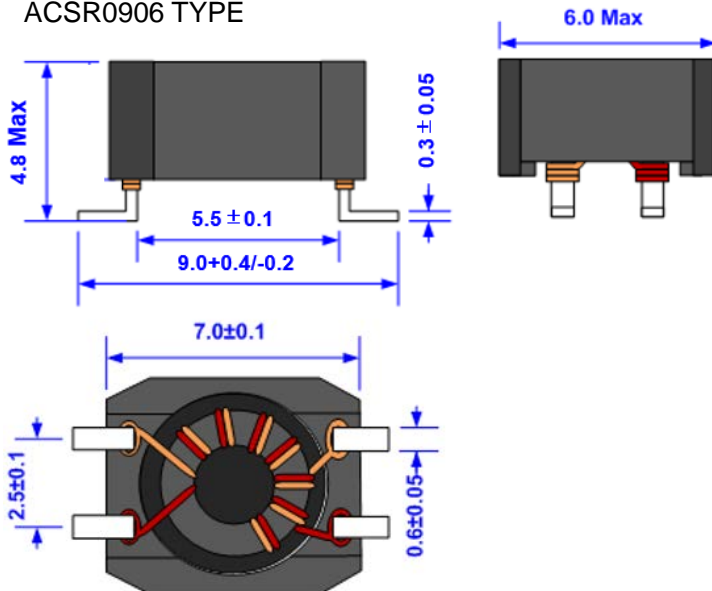
- Date and signal line

PRODUCT IDENTIFICATION

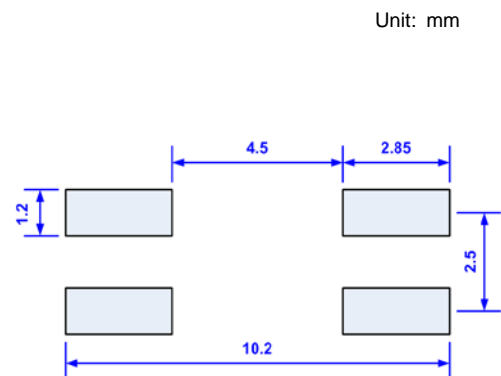
<u>ACSR</u> ①		<u>0906</u> ②		<u>S</u> ③	<u>510</u> ④	<u>N</u> ⑤	<u>T</u> ⑥
Type		External Dimensions (LxW) (mm)		Feature Type			
ACSR	Common Mode Ring Core for Automotive Signal Line	0906	9.0x6.0	S	Sector Winding		
				C	Bifilar Winding		
Nominal Inductance		Tolerance Limits		Packing			
Example	Nominal Value	N	±30%	T	Tape & Reel		
250	25μH						
510	51μH						
101	100μH						

SHAPE AND DIMENSIONS

ACSR0906 TYPE



Recommended Land Pattern



SPECIFICATIONS

ACSR0906 TYPE

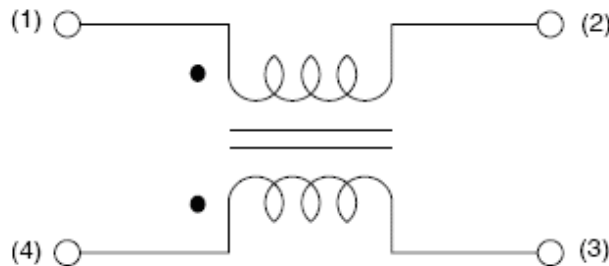
Part Number	Inductance (μH)	Stray Inductance (nH) Typ.	DCR (Ω) Max.	Rated Current (mA) Max.	V _{test} (V _{DC} /2sec)	Inductance Tolerance	Operation Temperature Range (°C)
ACSR0906C050NT	5 @100KHz/0.1mA	40 @1MHz/5mA	0.06	1200	250	±30%	-50~+150
ACSR0906C110NT	11 @100KHz/0.1mA	50 @1MHz/5mA	0.08	800	250	±30%	-50~+150
ACSR0906C250NT	25 @100KHz/0.1mA	60 @100K Hz/5mA	0.11	800	250	±30%	-50~+150
ACSR0906S250NT	25 @100KHz/0.1mA	1400 @100KHz/5mA	0.11	800	250	±30%	-50~+150
ACSR0906C510NT	51 @100KHz/0.1mA	70 @100KHz/5mA	0.14	800	250	±30%	-50~+150
ACSR0906S510NT	51 @100KHz/0.1mA	2300 @100KHz/5mA	0.14	800	250	±30%	-50~+150
ACSR0906C101NT	100 @100KHz/0.1mA	100 @100KHz/5mA	0.18	500	250	±30%	-50~+150
ACSR0906C471NT	470 @100KHz/0.1mA	100 @100KHz/5mA	0.17	700	750	±30%	-40~+125
ACSR0906C102NT	1000 @100KHz/0.1mA	70 @100KHz/5mA	0.14	700	750	-30%/+50%	-40~+125
ACSR0906C222NT	2200 @10KHz/0.1mA	120 @100KHz/5mA	0.4	500	750	-30%/+50%	-40~+125
ACSR0906C472NT	4700 @10KHz/0.1mA	250 @100KHz/5mA	0.55	400	750	-30%/+50%	-40~+125

1.Storage Temperature Range (packaging conditions): -10°C~+40°C and RH 70% (Max.)

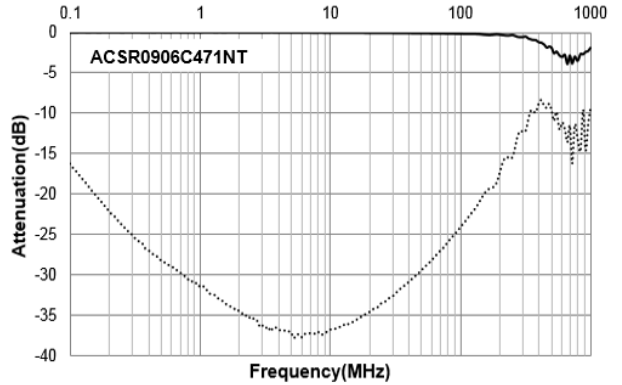
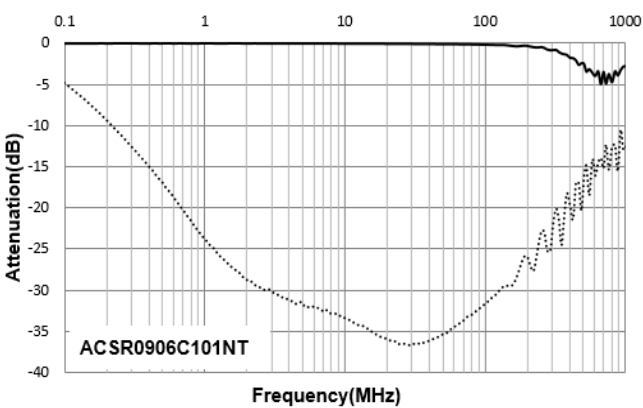
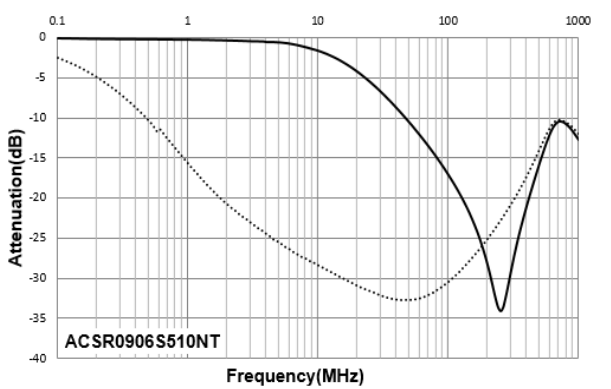
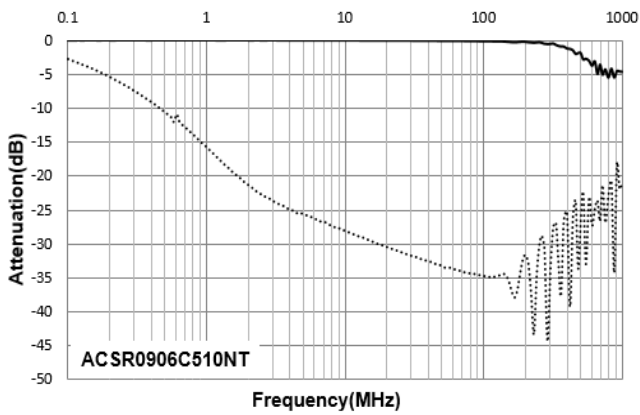
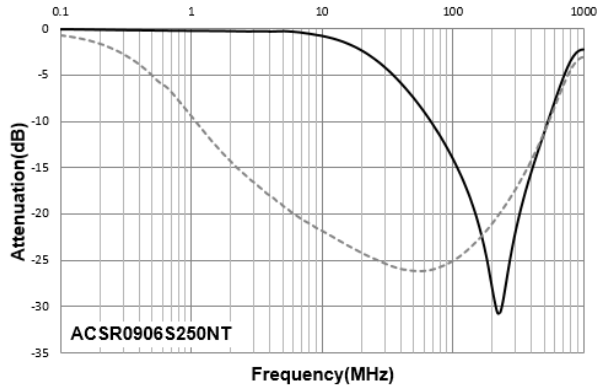
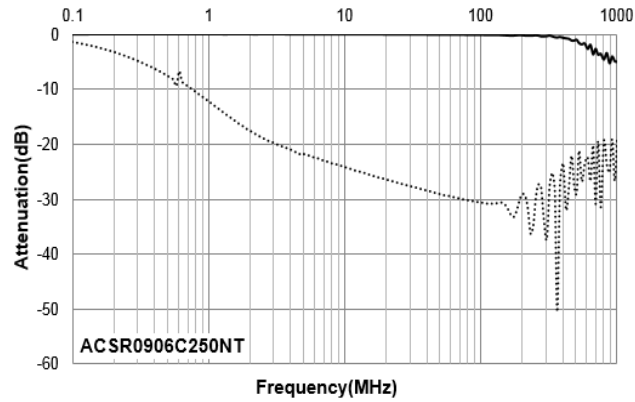
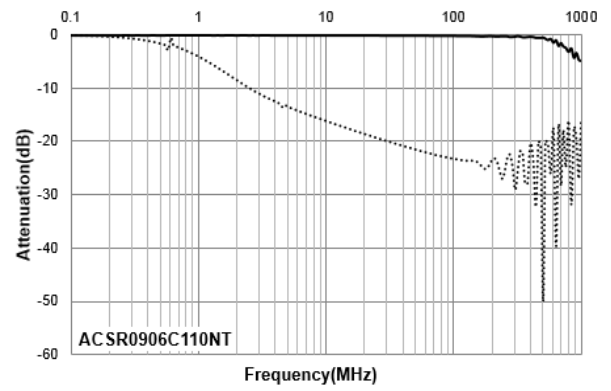
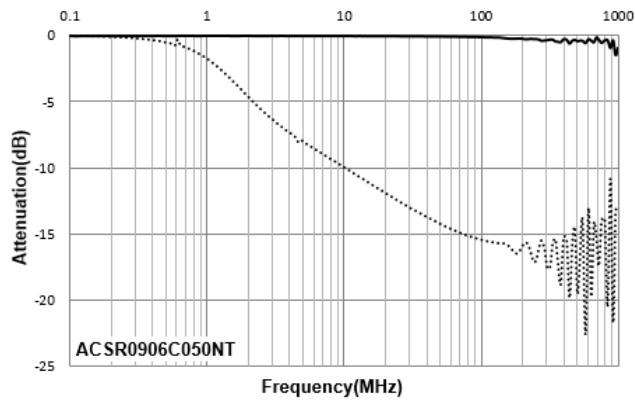
2.Rated Voltage:42V_{AC} (50/60Hz) / 80V_{DC}

※: Products with other electrical characteristics can be provided upon customer's request. Please contact your local sales.

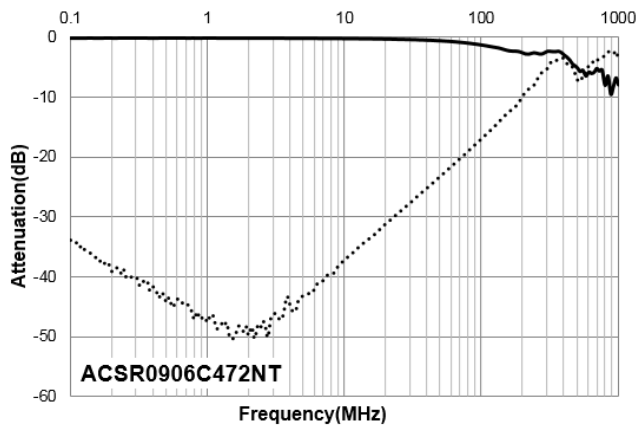
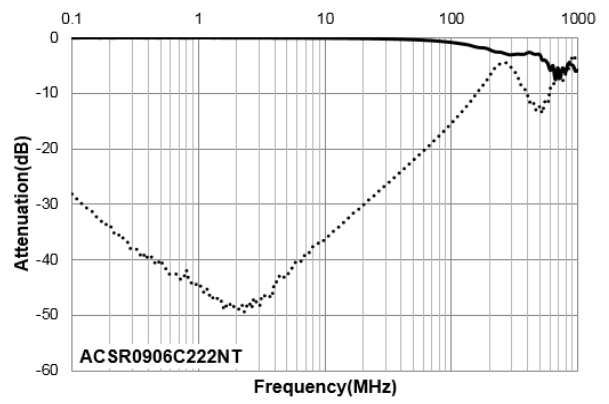
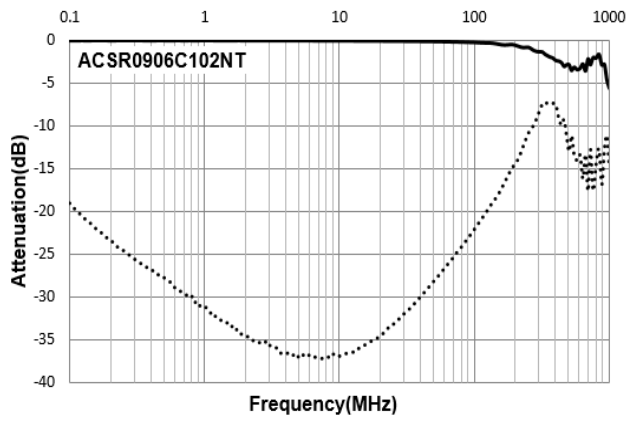
EQUIVALENT CIRCUIT



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TYPICAL ELECTRICAL CHARACTERISTICS



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