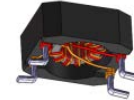


Small Magnetic Ring Communication Common Mode Choke Coil- ACSR Series

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

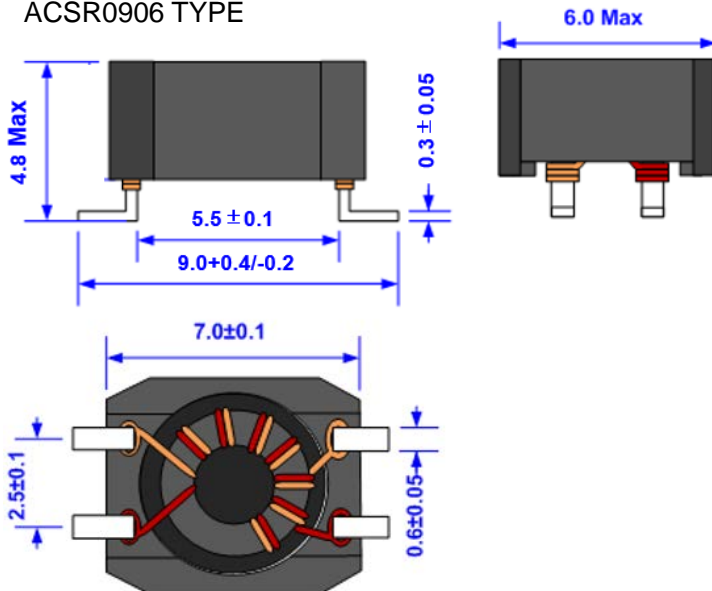
- Date and signal line

PRODUCT IDENTIFICATION

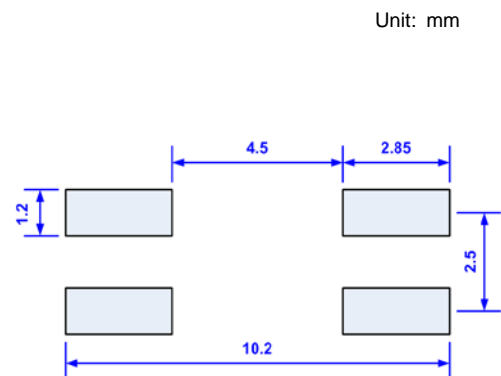
ACSR ①	0906 ②	S ③	510 ④	N ⑤	T ⑥																		
<table border="1"> <tr><th colspan="2">Type</th></tr> <tr><td>ACSR</td><td>Common Mode Ring Core for Automotive Signal Line</td></tr> </table>		Type		ACSR	Common Mode Ring Core for Automotive Signal Line	<table border="1"> <tr><th colspan="2">External Dimensions (LxW) (mm)</th></tr> <tr><td>0906</td><td>9.0x6.0</td></tr> </table>		External Dimensions (LxW) (mm)		0906	9.0x6.0	<table border="1"> <tr><th colspan="2">Feature Type</th></tr> <tr><td>S</td><td>Sector Winding</td></tr> <tr><td>C</td><td>Bifilar Winding</td></tr> </table>		Feature Type		S	Sector Winding	C	Bifilar Winding				
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T	Tape & Reel																						

SHAPE AND DIMENSIONS

ACSR0906 TYPE



Recommended Land Pattern



SPECIFICATIONS

ACSR0906 TYPE

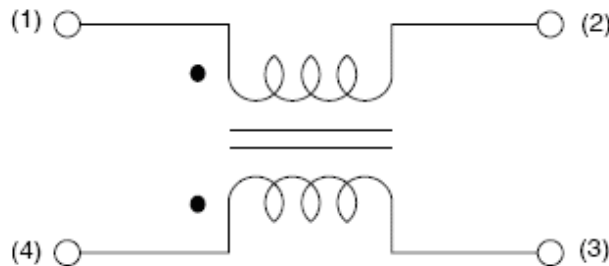
Part Number	Inductance (μH)	Stray Inductance (nH) Typ.	DCR (Ω) Max.	Rated Current (mA) Max.	V_{test} ($V_{\text{DC}}/2\text{sec}$)	Inductance Tolerance	Operation Temperature Range ($^{\circ}\text{C}$)
ACSR0906C050NT	5 @100KHz/0.1mA	40 @1MHz/5mA	0.06	1200	250	$\pm 30\%$	-50~+150
ACSR0906C110NT	11 @100KHz/0.1mA	50 @1MHz/5mA	0.08	800	250	$\pm 30\%$	-50~+150
ACSR0906C250NT	25 @100KHz/0.1mA	60 @100K Hz/5mA	0.11	800	250	$\pm 30\%$	-50~+150
ACSR0906S250NT	25 @100KHz/0.1mA	1400 @100KHz/5mA	0.11	800	250	$\pm 30\%$	-50~+150
ACSR0906C510NT	51 @100KHz/0.1mA	70 @100KHz/5mA	0.14	800	250	$\pm 30\%$	-50~+150
ACSR0906S510NT	51 @100KHz/0.1mA	2300 @100KHz/5mA	0.14	800	250	$\pm 30\%$	-50~+150
ACSR0906C101NT	100 @100KHz/0.1mA	100 @100KHz/5mA	0.18	500	250	$\pm 30\%$	-50~+150
ACSR0906C471NT	470 @100KHz/0.1mA	100 @100KHz/5mA	0.17	700	750	$\pm 30\%$	-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): $-10^{\circ}\text{C}\sim+40^{\circ}\text{C}$ and RH 70% (Max.)

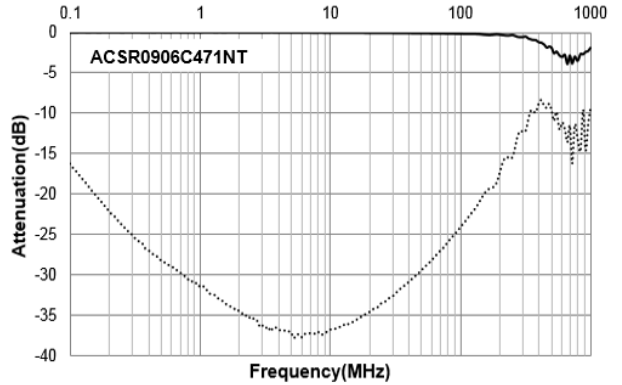
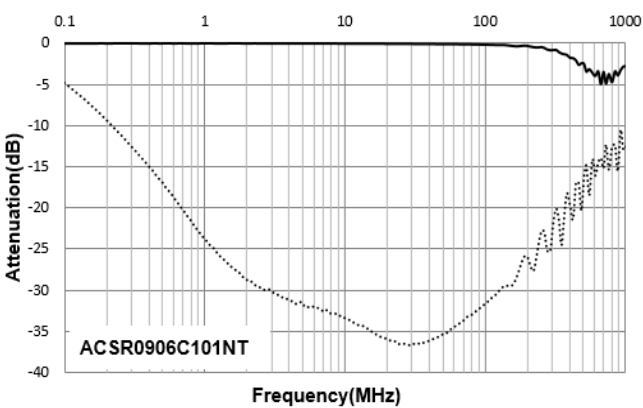
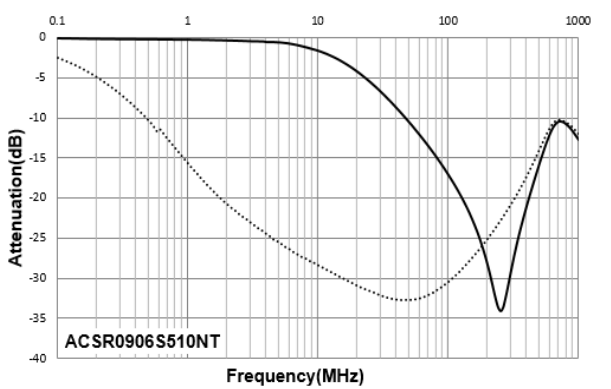
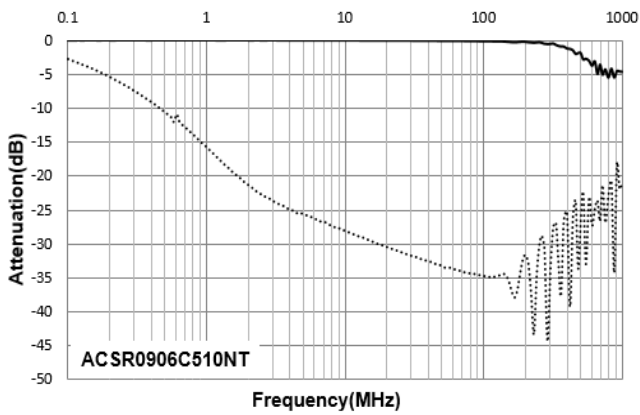
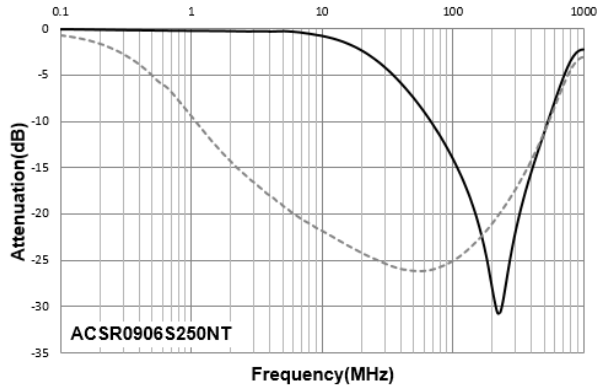
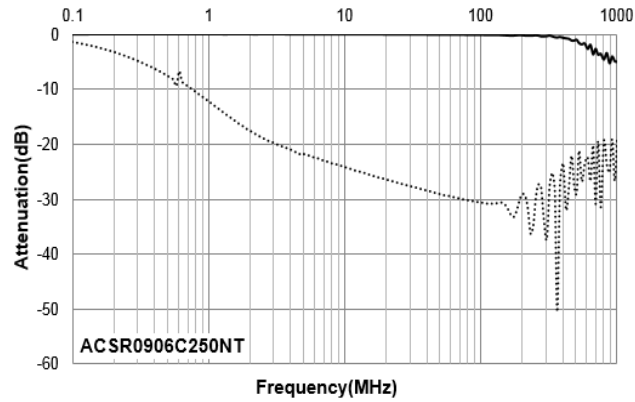
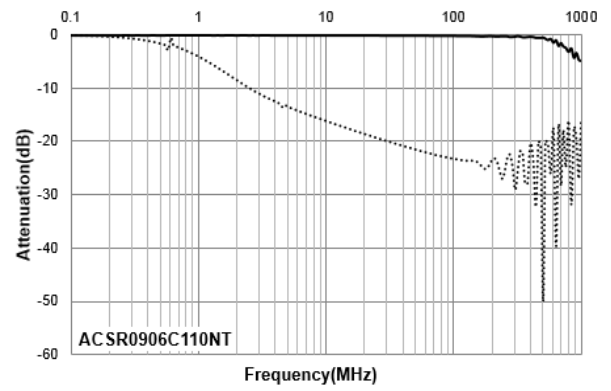
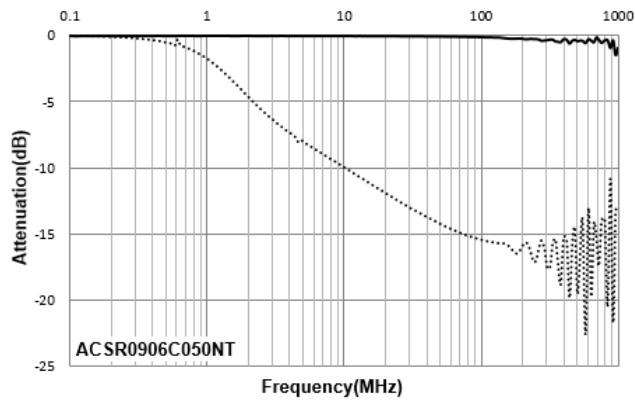
2.Rated Voltage: $42V_{\text{AC}}$ (50/60Hz) / $80V_{\text{DC}}$

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

EQUIVALENT CIRCUIT



TYPICAL ELECTRICAL CHARACTERISTICS



TYPICAL ELECTRICAL CHARACTERISTICS

