

汽车信号线磁环共模—ACSR 系列

Ring Core Common Mode Choke for Automotive Signal Line – ACSR Series



工作温度

Operating Temp

- ◆ -50°C ~+150°C /-40°C ~+125°C

特征

Features

- ◆ 磁环结构, 小尺寸
- ◆ 对高频共模噪声有良好的抑制作用
- ◆ 优异的机械性能
- ◆ AEC-Q200 认证
- ◆ The circular type, small size and low profile
- ◆ Suppression of common mode noise at high frequency
- ◆ Excellent mechanical property
- ◆ AEC-Q200 qualified

用途

Applications

- ◆ 数据和信号线
- ◆ Data and signal line

产品型号

Product Identification

1

ACSR

2

0906

3

S

4

510

5

N

6

T

1

分类 Type

ACSR

汽车信号线磁环共模
Ring Core Common Mode
Choke for Automotive Signal
Line

2

外形尺寸 (L×W) (mm)
External Dimensions (L×W) (mm)

0906

9.0×6.0

3

功能类型 Feature Type

S

扇形绕线 Sector Winding

C

并形绕线 Bifilar Winding

4

电感 Inductance(uH)

例子 Example

感值 Nominal Value

250

25

510

51

101

100

5

公差范围 Tolerance Limits

N

±30%

6

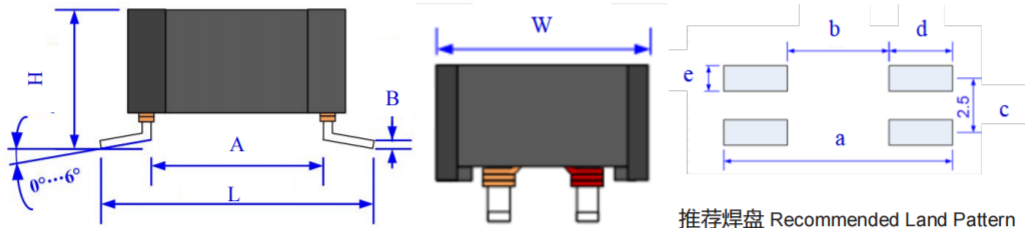
包装 Packing

T

编带 Tape & Reel

外观尺寸

Shape and Dimensions



推荐焊盘 Recommended Land Pattern

单位 Unit: mm

Series	L	W	H	A	B	C	D	E	a	b	c	d	e
47.5 Max.	9.0+0.4/0.2	6.0 Max.	4.8 Max.	5.5±0.2	0.3±0.05	7.0±0.1	0.6±0.05	2.5±0.1	10.2	4.5	2.5	2.85	1.2

规格特性

Specifications

ACSR0906 TYPE

型号 Part Number	电感量 Inductance (μ H)	杂散电感 Stray Inductance (nH) Typ	直流电阻 DCR (Ω) Typ.	额定电流 Rated Current (mA) Max.	测试电压 V_{test} (VDC/2S)	电感公差 Inductance Tolerance	工作温度 Operation Temperature Range (°C)
ACSR0906C050NT	5 (@100KHz/0.1mA)	40 (@1MHz/5mA)	0.06	1200	250	±30%	-50~+150
ACSR0906S060NT	6 (@100KHz/0.1mA)	250 (@1MHz/5mA)	0.02	2000	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 (@100KHz/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%/+50%	-40~+125
ACSR0906C102NT	1000 (@100KHz/0.1mA)	70 (@100KHz/5mA)	0.20	700	750	-30%/+50%	-40~+125
ACSR0906C222NT	2200 (@100KHz/0.1mA)	120 (@100KHz/5mA)	0.40	500	750	-30%/+50%	-40~+125
ACSR0906C472NT	4700 (@100KHz/0.1mA)	250 (@100KHz/5mA)	0.55	400	750	-30%/+50%	-40~+125

1. 储存温度范围 (包装条件): -10°C ~+40°C 和 RH 70% (Max.)

2. 额定电压: 42VAC (50/60Hz) / 80VDC

※: 可根据客户要求提供具有其他电气特性的产品。请联系当地销售人员

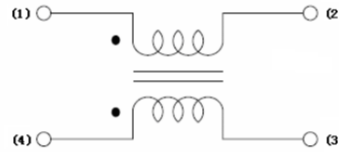
1. Storage temperature range (packaging conditions): -10°C ~+40°C and RH 70% (Max.)

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.

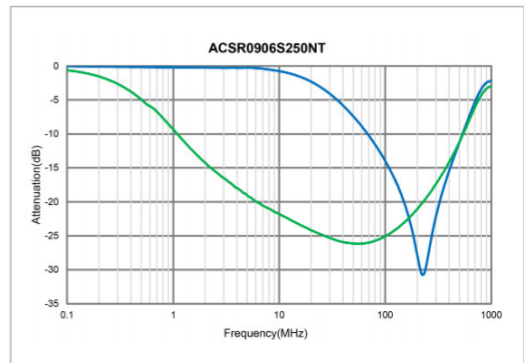
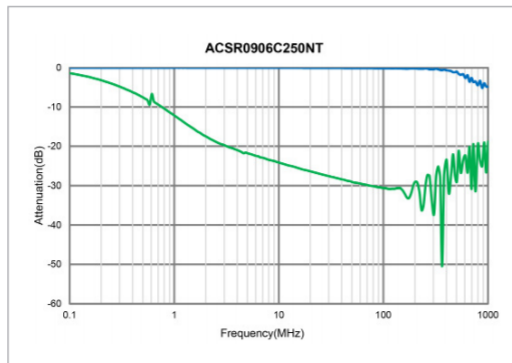
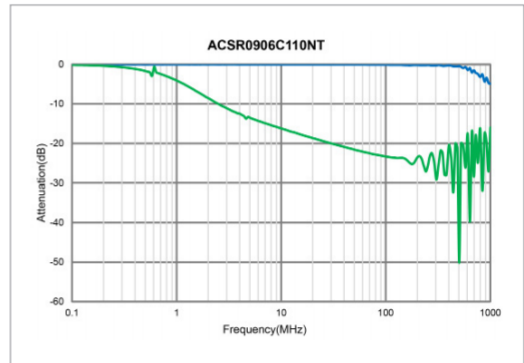
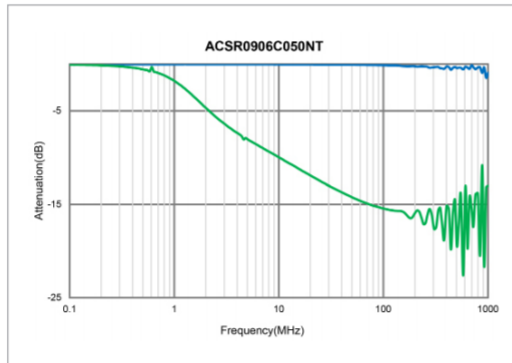
等效电路

Equivalent Circuit



电气特性

Typical Electrical Characteristics



电气特性

Typical Electrical Characteristics

