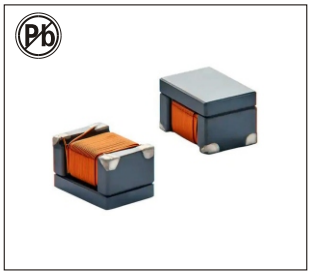
AUTOMOTIVE SIGNAL COMMON MODE CHOKES

SF6527F SERIES



FEATURES:

- AEC–Q200 compliant,Grade 1
- PPAP ready and supported
- Manufactured in TS/IATF 16949 production lines
- Excellent impedance characteristics

COMMON APPLICATIONS:

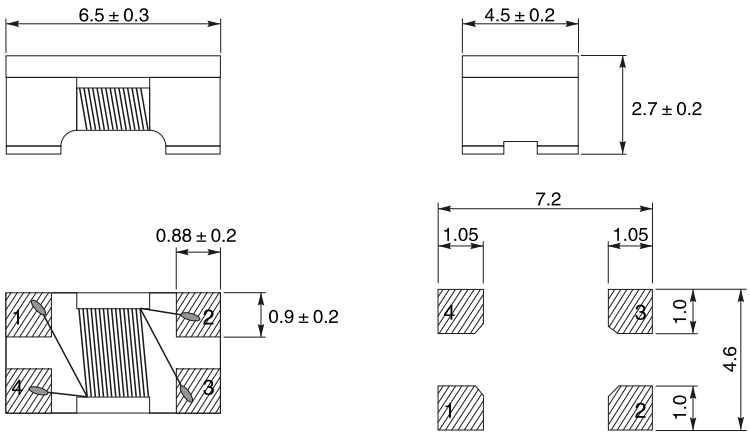
- Differential signal line common mode noise suppression.
- Multimedia devices
- Automotive applications such as ADAS, Infotainment, Sensing, TCU
- Automotive Ethernet

ELECTRICAL CHARACTERISTICS:@25℃

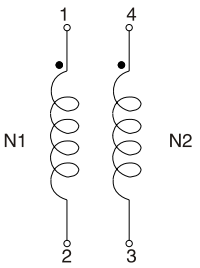
Part Number	Inductance (uH)+50%/–30% 100KHz	Rated current (A)	DCR (mΩ).	Return loss(dB) Min		
				1–10MHz	30MHz	60MHz
SF6527F–101Y	100	0.35	2000	–28	–23	–18

Insertion loss(dB) Max		Common mode Rejection(dB) Min				Differential to common mode Rejection (dB) Min		
1–60MHz	100MHz	1MHz	10MHz	60–100MHz	200–1000MHz	1–10MHz	100MHz	1000MHz
–1.0	–3.0	–18	–35	–43	–30	–70	–50	–25

PHYSICAL CHARACTERISTICS:



WINDING:



GENERAL SPECIFICATIONS:

- Rated Current is based on an Irms temperature rise of 40 ℃
- Inductance Test Conditions: 0.1V, 100KHz
- SF6527F Series is AEC–Q200 Automotive certified
- SF6527F Series is RoHS Compliant and Pb free
- Operating Temperature: –40 ℃ to +125 ℃ (Temperature rise included)
- Storage Temperature(on PCB): –40 ℃ to +125 ℃
- Storage (in original packaging): <40 ℃ , <60% RH

Note:All specifications subject to change without notice.