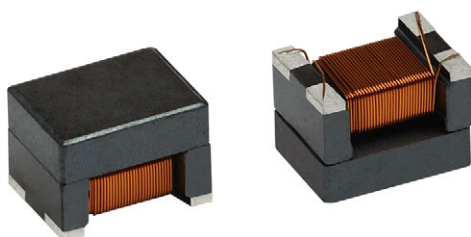


Automotive High Impedance Surface-Mount Common Mode Choke



LINKS TO ADDITIONAL RESOURCES



ELECTRICAL SPECIFICATIONS

Resistance to solder heat:
260 °C for 10 s (3 times max. through reflow)

FEATURES

- High impedance ferrite with precision winding
- 3.2 mm x 2.5 mm x 2.5 mm SMD package
- Operating temperature: -55 °C to +150 °C
- AEC-Q200 qualified
- Material categorization:
for definitions of compliance please see
www.vishay.com/doc?99912

APPLICATIONS

- DC/DC power supplies
- LCD displays
- Noise suppression and filtering
- Ethernet
- Battery powered devices

AUTOMOTIVE
GRADE

RoHS
COMPLIANT

HALOGEN
FREE
GREEN
(5-2008)

STANDARD ELECTRICAL SPECIFICATIONS

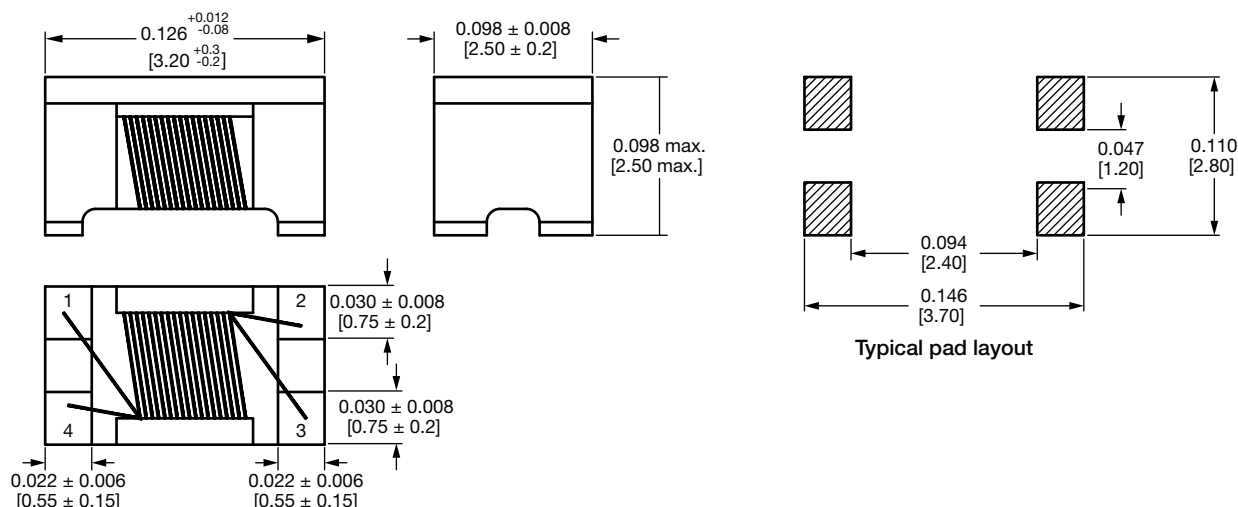
PART NUMBER	COMMON MODE IMPEDANCE AT 10 MHz, TYP. (Ω)	COMMON MODE IMPEDANCE AT 100 MHz, TYP. (Ω)	INDUCTANCE +50 % / - 30 %, 0.1 V, 100 kHz (μH)	DCR MAX. 25 °C (Ω)	HEAT RATING CURRENT DC TYP. (mA) ⁽¹⁾
IFLN1210BEER551NA	550	2200	11	0.4	300
IFLN1210BEER112NA	1100	4100	22	0.5	250
IFLN1210BEER262NA	2600	8600	51	0.7	200
IFLN1210BEER512NA	5100	11 000	100	1.5	150

Notes

- All test data is referenced to 25 °C ambient
- Rated operating voltage = 80 V_{DC}
- Insulating resistance 10 MΩ min.
- Operating temperature range -55 °C to +150 °C
- Storage condition: -55 °C to +150 °C (on board); less than 40°C and < 60 % RH (in component packaging)

⁽¹⁾ DC current (A) that will cause ΔT max. of +20 °C

DIMENSIONS in inches [millimeters]



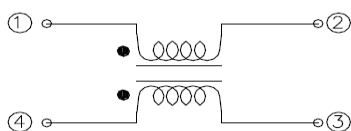


GLOBAL PART NUMBER

I	F	L	N	1	2	1	0	B	E	E	R	6	0	1	N	A
PRODUCT FAMILY				SIZE				PACKAGE CODE		IMPEDANCE VALUE		INDUCTANCE TOLERANCE		AUTOMOTIVE SERIES		
								ER = tape and reel		601 = 600 Ω						

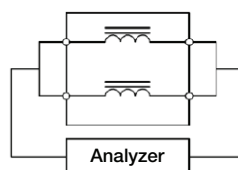
SCHEMATICS

Schematic

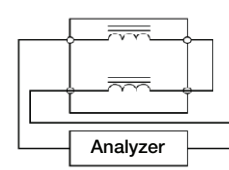


Measuring Circuits

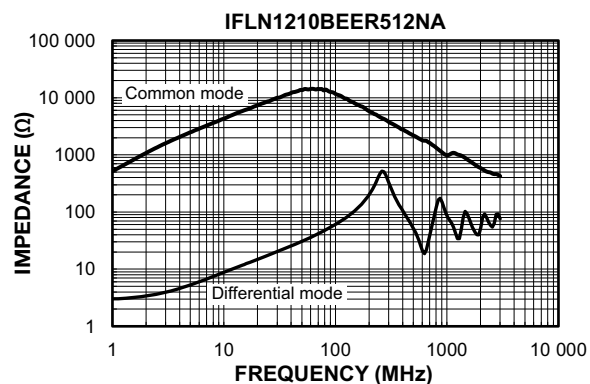
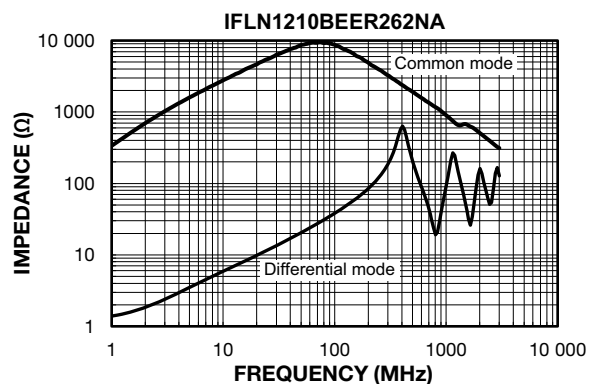
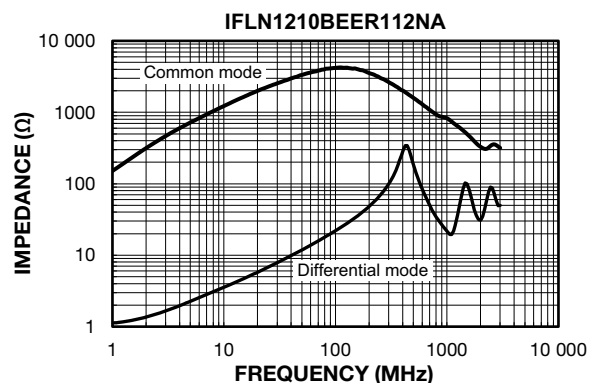
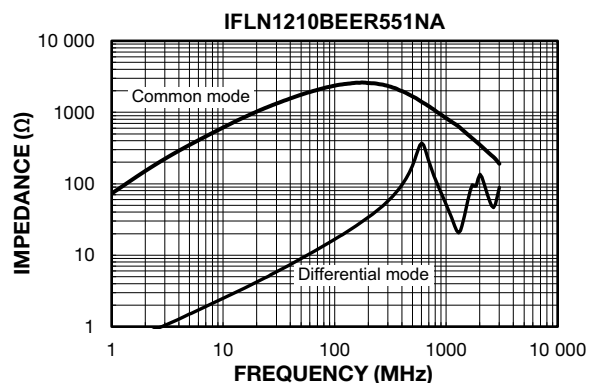
Common mode



Differential mode



PERFORMANCE GRAPHS





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