Surface-Mount Common Mode Choke Filter

FEATURES

- High impedance ferrite with precision winding
- 4.5 mm x 3.2 mm x 3.0 mm SMD package
- Operating temperature: -55 °C to +150 °C
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912

Pb-free

RoHS COMPLIANT

HALOGEN FREE GREEN (5-2008)

APPLICATIONS

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

STANDARD ELECTRICAL SPECIFICATIONS

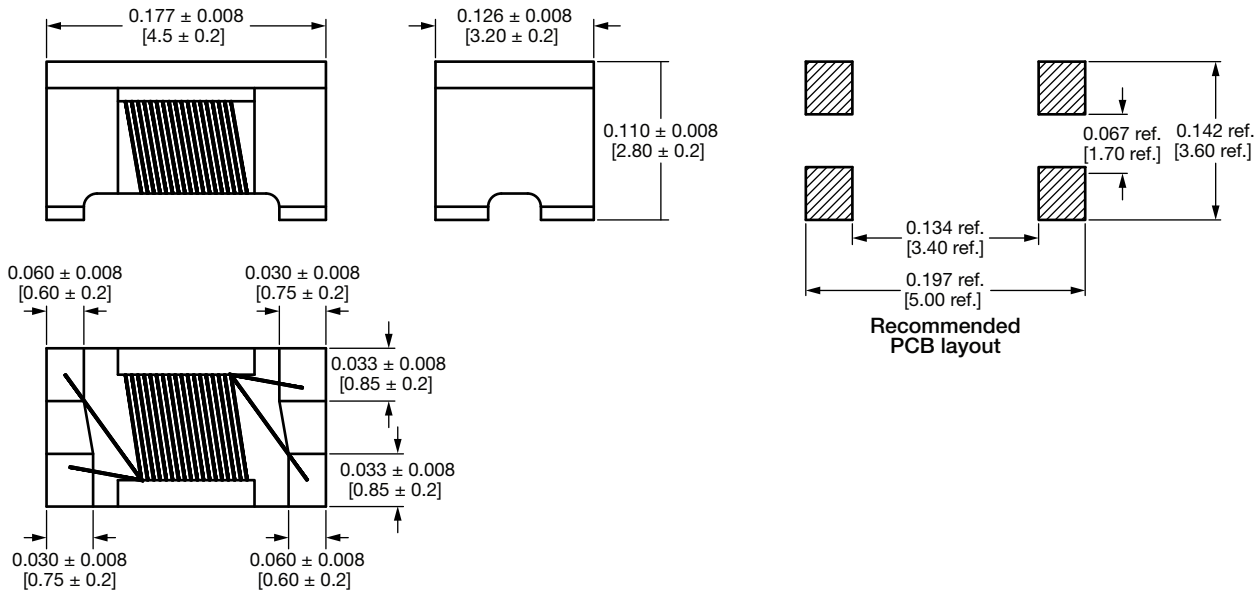
PART NUMBER	COMMON MODE IMPEDANCE AT 10 MHz, TYP. (Ω)	INDUCTANCE +50 % / - 30 %, 0.1 V, 100 kHz (µH)	DCR MAX. 25 °C (Ω)	HEAT RATING CURRENT DC TYP. (mA) (1)
IFLN1812CZER601N	600	11	0.6	360
IFLN1812CZER122N	1200	22	1	310
IFLN1812CZER282N	2800	51	1	230
IFLN1812CZER582N	5800	100	2	200

Notes

- All test data is referenced to 25 °C ambient
- Rated operating voltage = 50 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]



For technical questions, contact: magnetics@vishay.com

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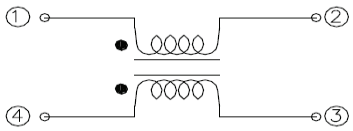
GLOBAL PART NUMBER

I	F	L	N	1	8	1	2	C	Z	E	R	6	0	1	N
PRODUCT FAMILY				SIZE						PACKAGE CODE		IMPEDANCE VALUE			INDUCTANCE TOLERANCE

ER = tape and reel **601** = 600 Ω

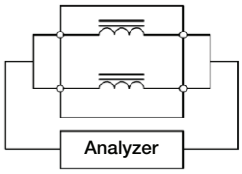
SCHEMATICS

Schematic

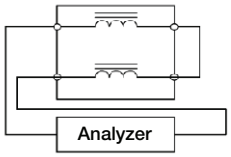


Measuring Circuits

Common mode

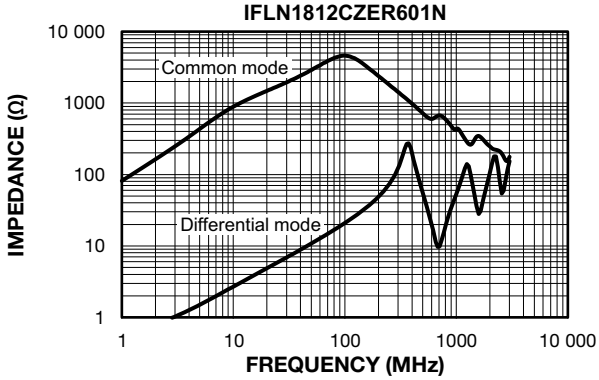


Differential mode

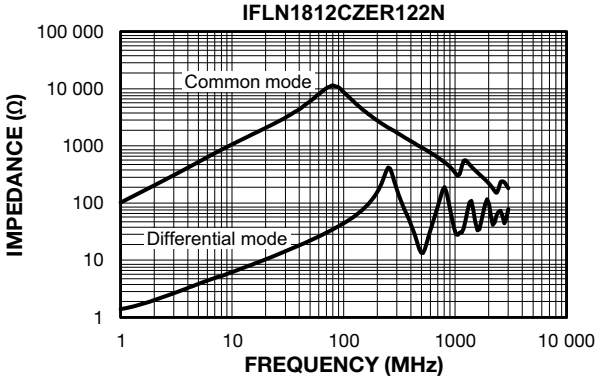


PERFORMANCE GRAPHS

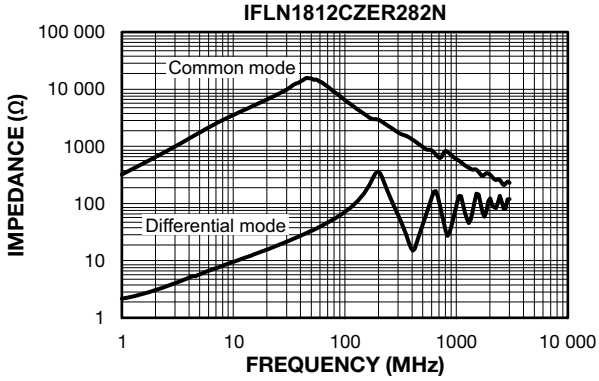
IFLN1812CZER601N



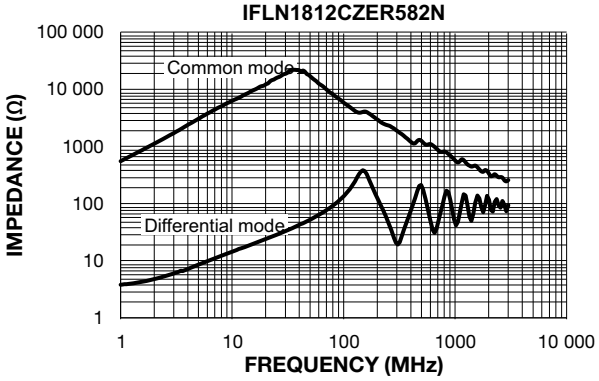
IFLN1812CZER122N



IFLN1812CZER282N



IFLN1812CZER582N



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