

Vishay Dale

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
- 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

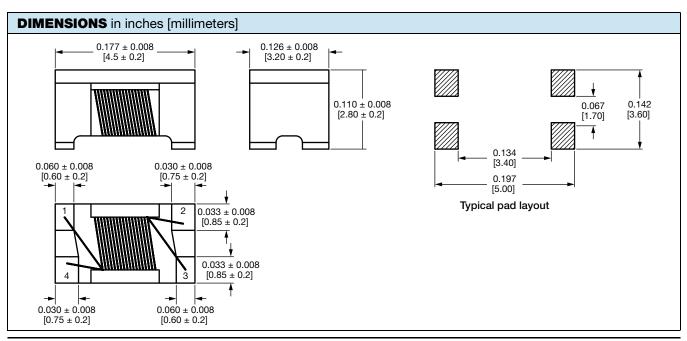


- DC/DC power supplies
- LCD displays
- Noise suppression and filtering
- Ethernet
- Battery powered devices

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⁾
IFLN1812CZER601N	600	4000	11	0.6	360
IFLN1812CZER122N	1200	8200	22	1	310
IFLN1812CZER282N	2800	6000	51	1	230
IFLN1812CZER582N	5800	5200	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



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1 For technical questions, contact: <u>magnetics@vishav.com</u> Document Number: 34608

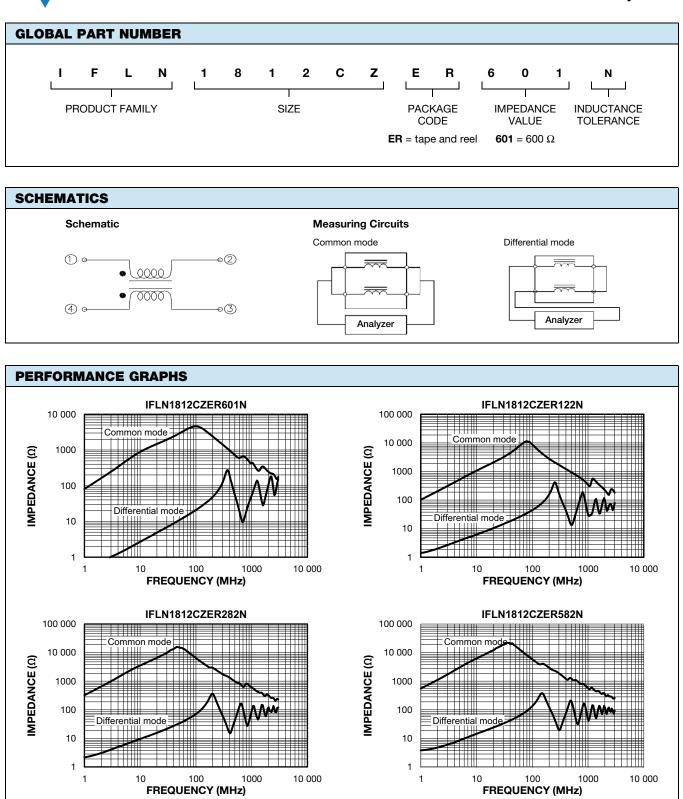
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Pb-free RoHS COMPLIANT HALOGEN

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IFLN-1812CZ

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