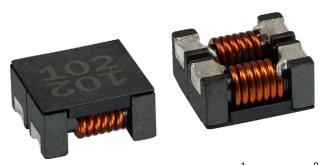
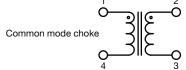


www.vishay.com

High Current, SMD Common Mode Choke





LINKS TO ADDITIONAL RESOURCES



FEATURES

- Wirewound ferrite common mode choke
- 12.0 mm x 11.0 mm x 6.0 mm SMD package
- Material categorization: for definitions of compliance please see <u>www.vishay.com/doc?99912</u>



(5-2008)

APPLICATIONS

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

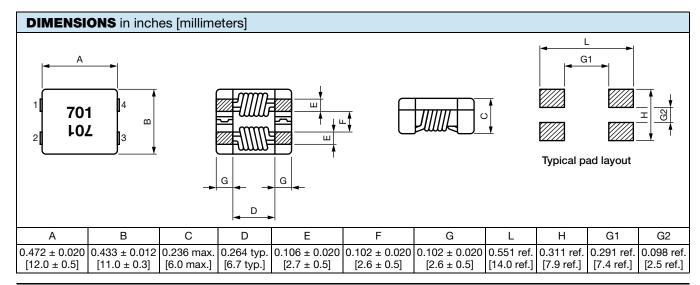
ELECTRICAL SPECIFICATIONS

Resistance to solder heat: 245 °C peak for < 30 s (3 times max. through reflow)

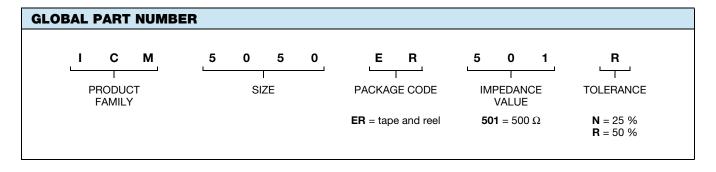
STANDARD ELECTRICAL SPECIFICATIONS				
PART NUMBER	COMMON MODE IMPEDANCE, AT 10 MHz, TYP. (Ω)	COMMON MODE IMPEDANCE, AT 100 MHz, TYP. (Ω)	DCR MAX. 25 °C (mΩ)	HEAT RATING CURRENT DC TYP. (A) ⁽¹⁾
ICM5050ER501R	160	500	4	11
ICM5050ER701N	210	700	5	9
ICM5050ER102N	340	1000	8	7
ICM5050ER172N	850	1700	12	5.5

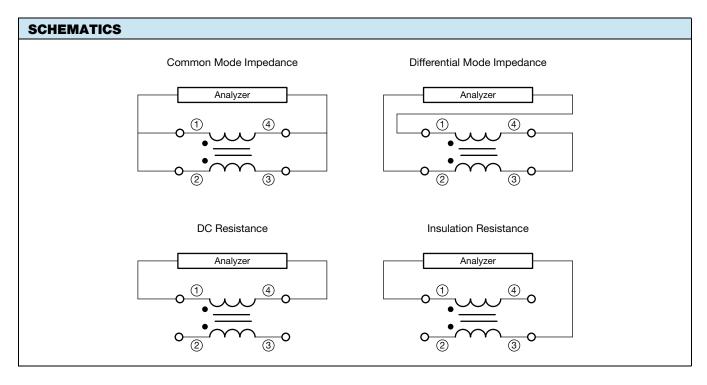
Notes

- All test data is referenced to 25 °C ambient
- DCR specification is for a single coil
- Rated operating voltage = 80 V_{DC}
- Insulating resistance 10 $M\Omega$ min.
- Operating temperature range -40 °C to +125 °C
- Storage condition: -40 °C to +125 °C (on board); less than 40°C and < 60 % RH (in component packaging)
- (1) DC current (A) that will cause an approximate ΔT of 40 °C

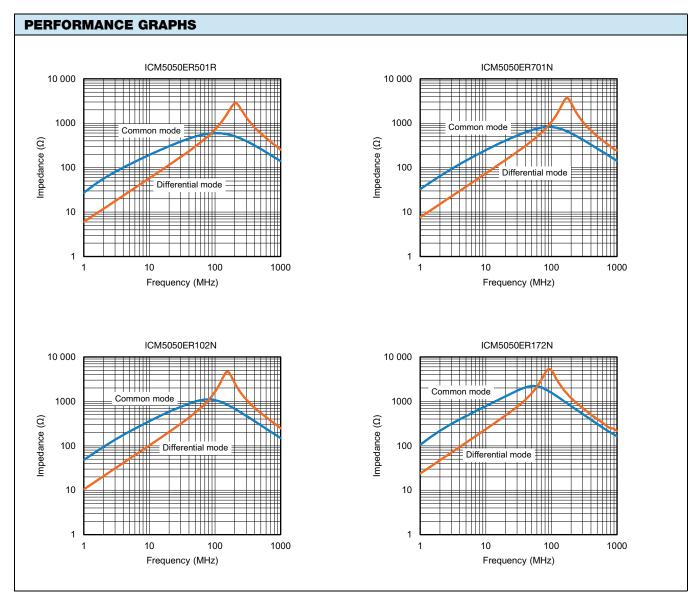


Vishay Dale











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