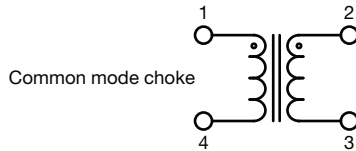
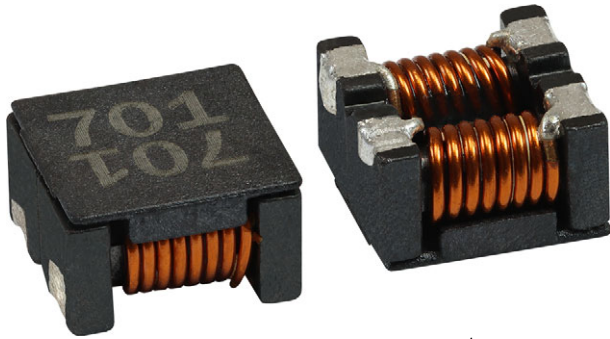


High Current, SMD Common Mode Choke



FEATURES

- Wirewound ferrite common mode choke
- 5.5 mm x 5.5 mm x 3.5 mm SMD package
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT
HALOGEN
FREE
GREEN
(5-2008)

APPLICATIONS

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

ELECTRICAL SPECIFICATIONS

Resistance to solder heat: 250 °C peak for < 30 s (3 times max. through reflow)

LINKS TO ADDITIONAL RESOURCES

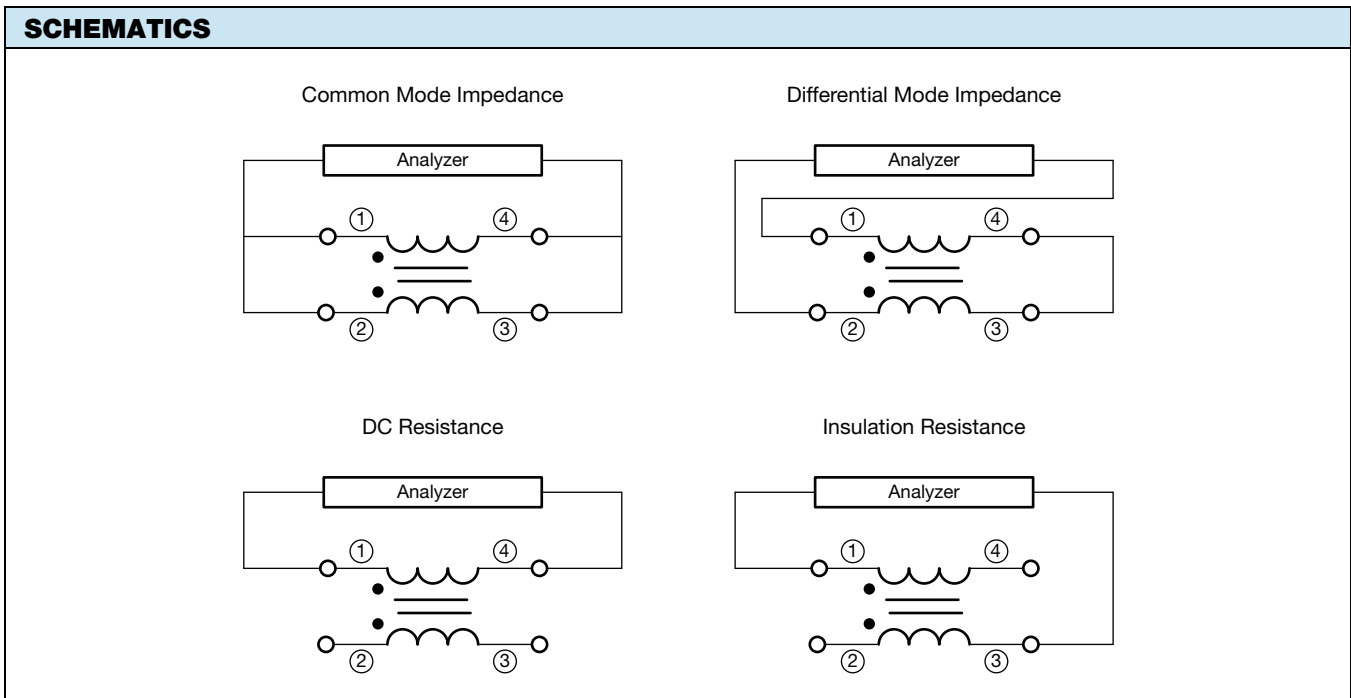
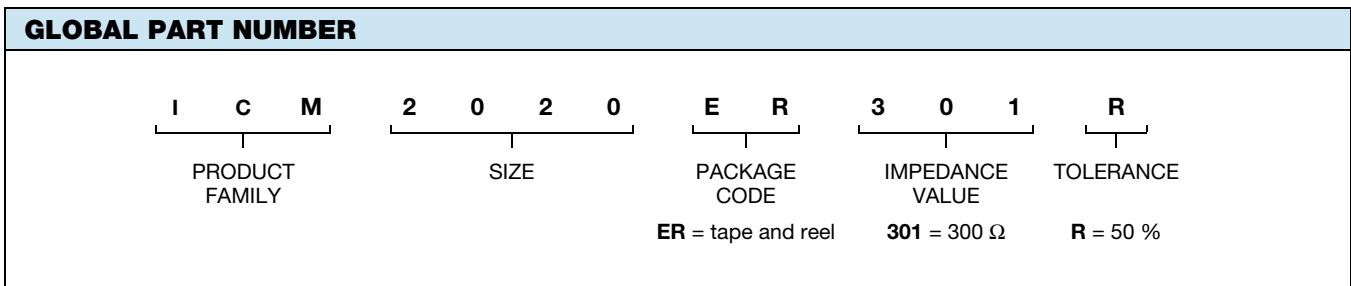
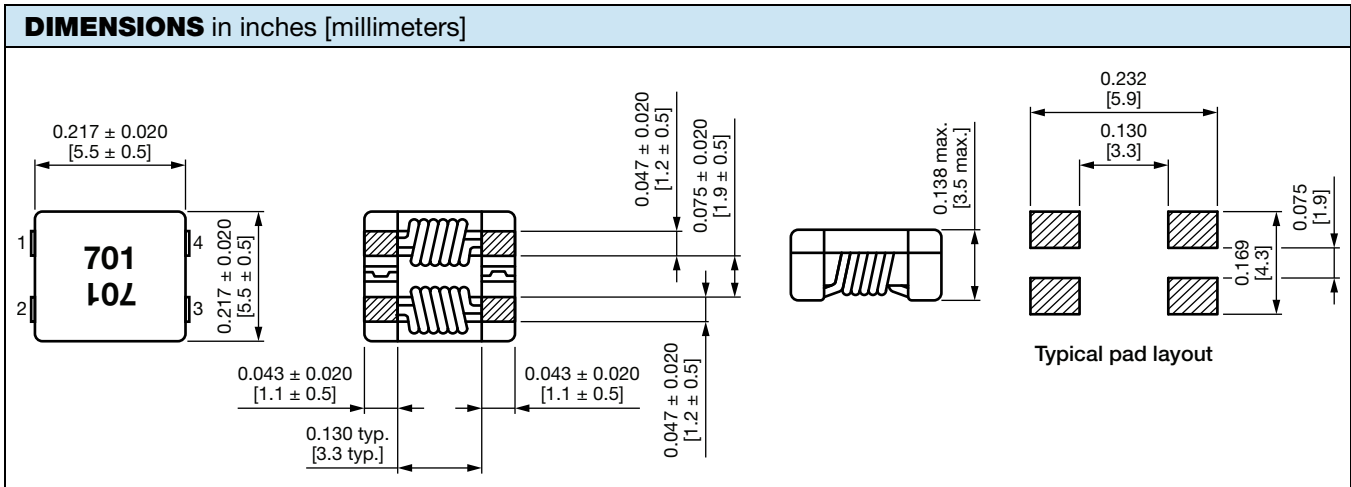


Product Page

| 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⁾ |
| ICM2020ER101R | 50 | 100 | 6 | 8.5 |
| ICM2020ER301R | 70 | 300 | 7.5 | 4.8 |
| ICM2020ER501R | 150 | 500 | 10.5 | 4.5 |
| ICM2020ER701R | 200 | 700 | 13 | 3.8 |
| ICM2020ER102R | 250 | 1000 | 20 | 3.0 |
| ICM2020ER142R | 300 | 1400 | 38 | 2.8 |

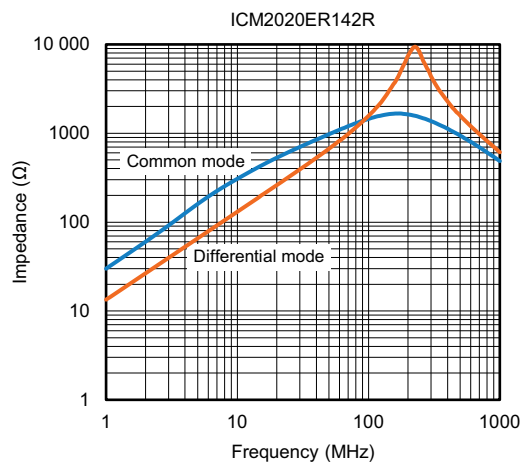
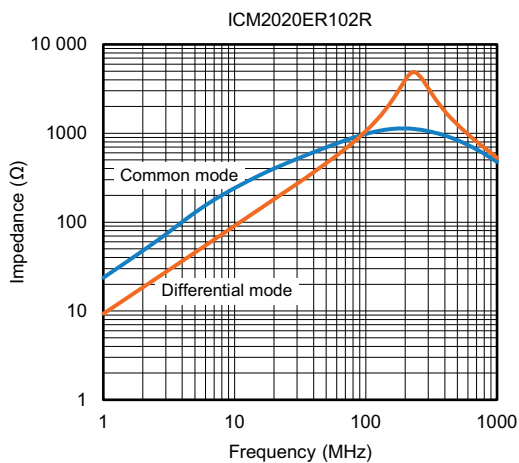
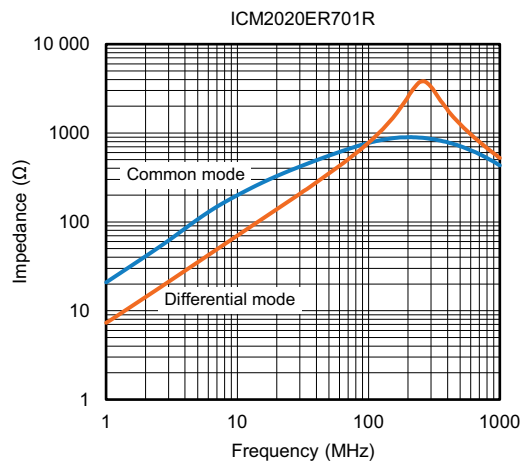
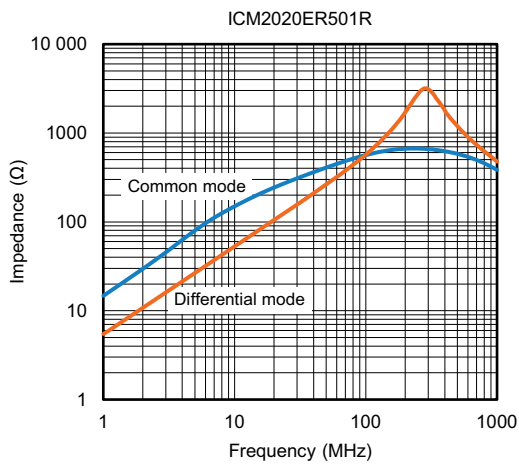
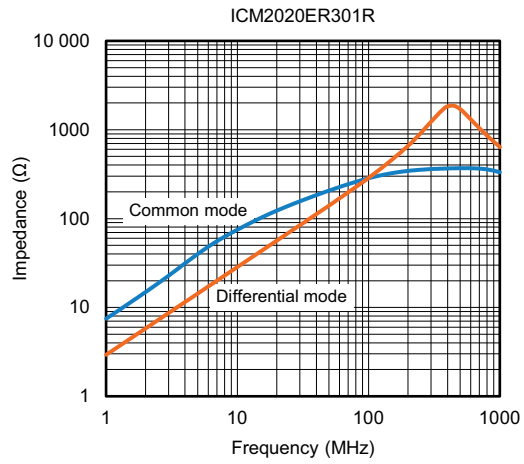
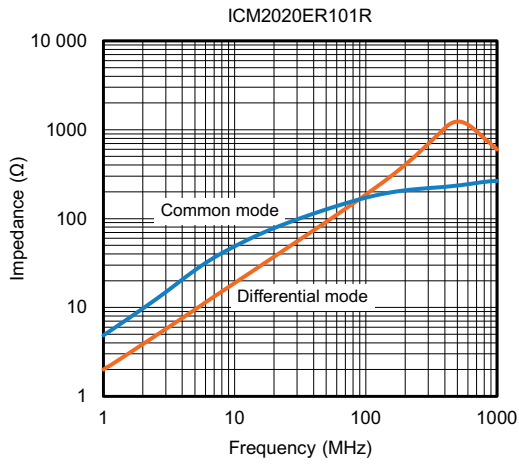
Notes

- 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 MΩ 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





PERFORMANCE GRAPHS





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