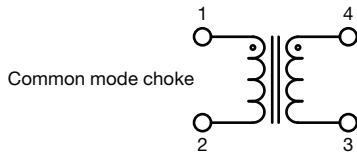
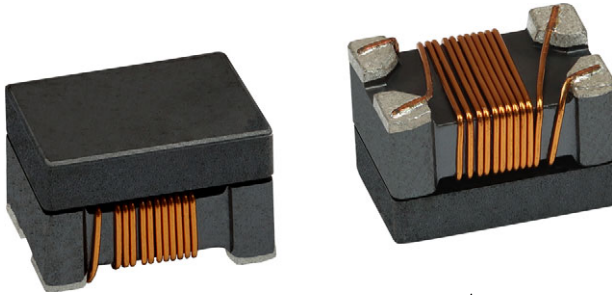


Surface-Mount Common Mode Choke



FEATURES

- Wirewound ferrite common mode choke
- 4.5 mm x 3.2 mm x 2.8 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

LINKS TO ADDITIONAL RESOURCES



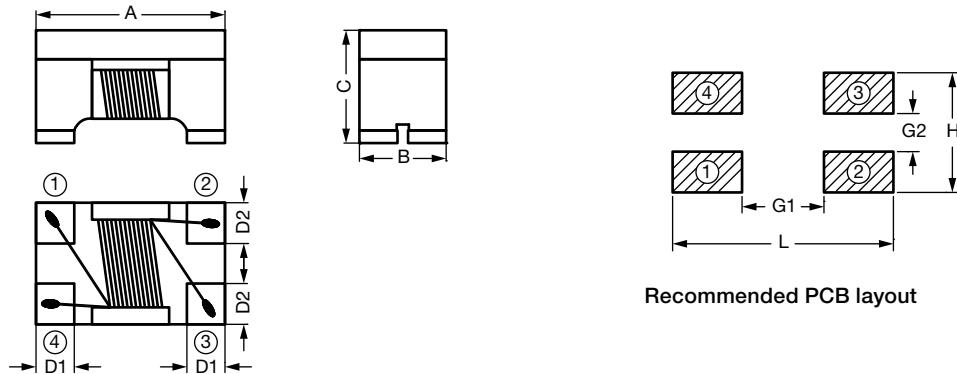
Product Page

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⁾
ICM1812ER800V	10	80	50	3
ICM1812ER900V	18	90	50	3
ICM1812ER121V	30	120	50	3
ICM1812ER201V	35	200	100	1.5
ICM1812ER601V	60	600	240	1.5
ICM1812ER801V	84	800	240	1

Notes

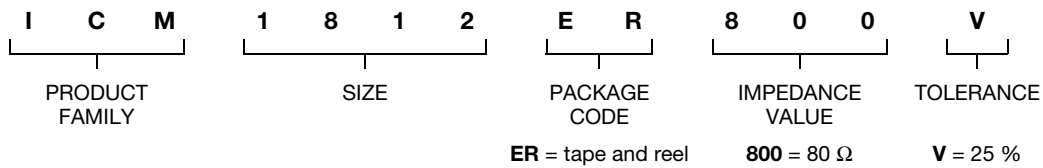
- All test data is referenced to 25 °C ambient
 - Rated operating voltage = 50 V_{DC}
 - Rated dielectric withstanding voltage = 125 V_{DC}
 - Insulating resistance 10 MΩ min.
 - Operating temperature range -40 °C to +125 °C
 - Storage condition: -40 °C to +125 °C and < 85 % RH (on board); less than 40°C and < 60 % RH (in component packaging)
- ⁽¹⁾ DC current (A) that will cause an approximate ΔT of 40 °C

DIMENSIONS in inches [millimeters]

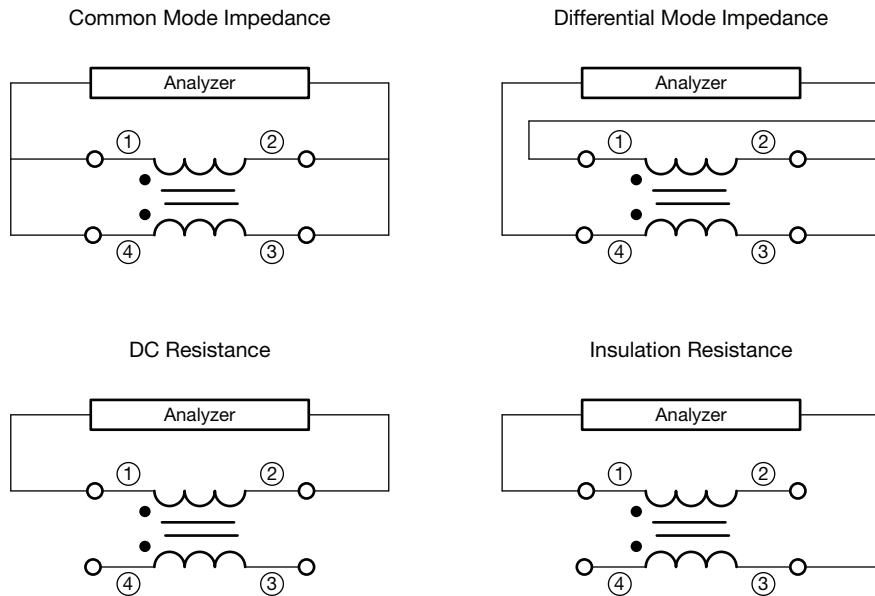


A	B	C	D1	D2	L	G1	G2	H
0.177 ± 0.008 [4.5 ± 0.2]	0.126 ± 0.008 [3.2 ± 0.2]	0.110 ± 0.008 [2.8 ± 0.2]	0.039 ± 0.004 [1.0 ± 0.1]	0.047 ± 0.004 [1.2 ± 0.1]	0.189 ref. [4.8 ref.]	0.098 ref. [2.5 ref.]	0.028 ref. [0.7 ref.]	0.150 ref. [3.8 ref.]

GLOBAL PART NUMBER

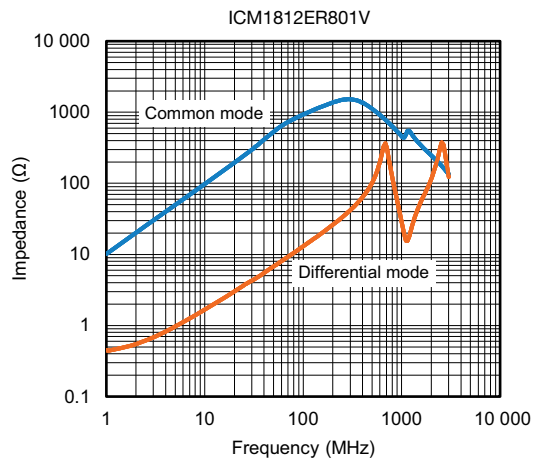
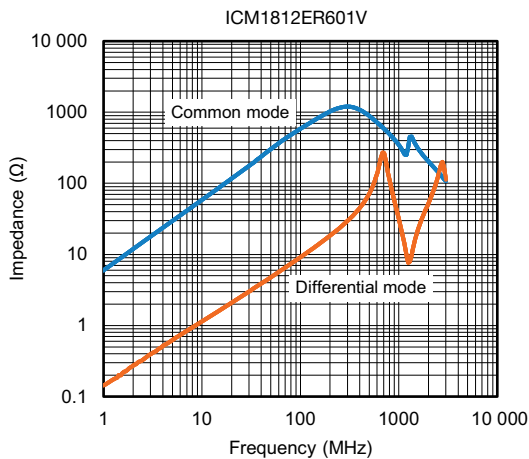
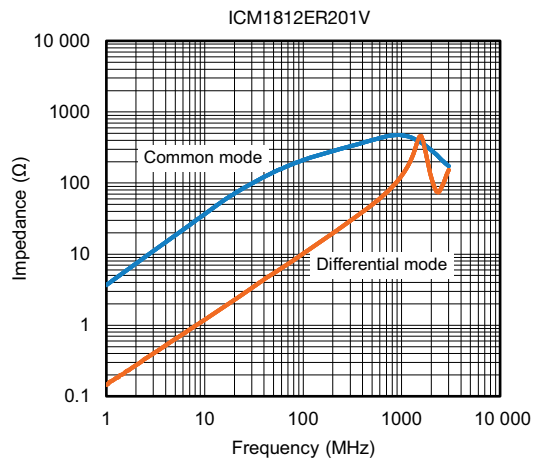
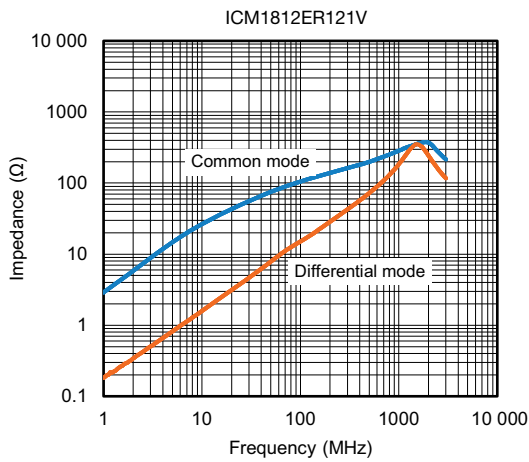
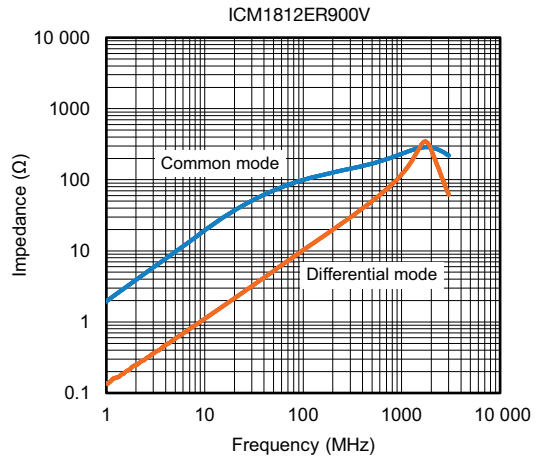
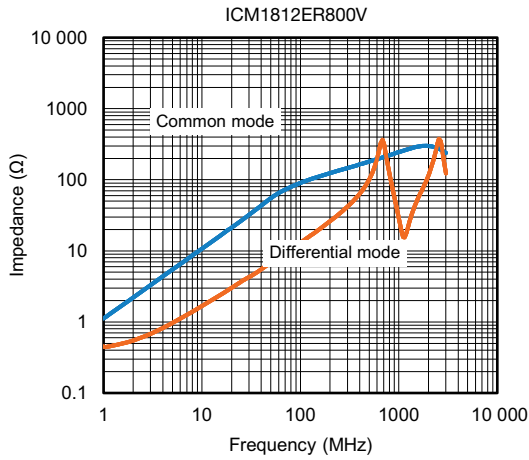


SCHEMATICS





PERFORMANCE GRAPHS





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