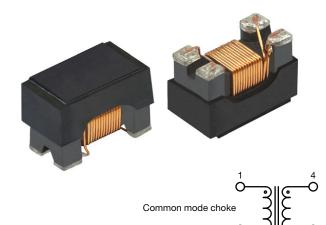


www.vishay.com

# **Surface-Mount Common Mode Choke**



#### **FEATURES**

- Wirewound ferrite common mode choke
- 1.6 mm x 0.85 mm x 1.25 mm SMD package
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



**GREEN** 

(5-2008)

#### **APPLICATIONS**

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

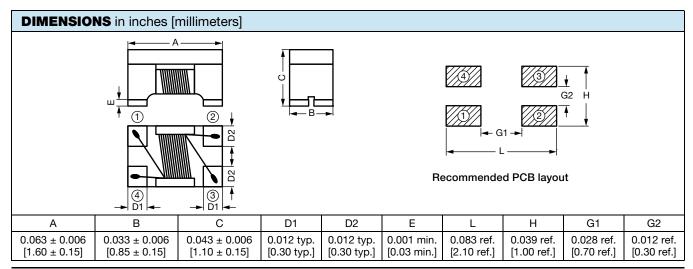
### **LINKS TO ADDITIONAL RESOURCES**



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) <sup>(1)</sup>
ICM0603ER220V	3.0	22	80	0.5
ICM0603ER450V	5.7	45	110	0.5
ICM0603ER900V	12.3	90	145	0.5
ICM0603ER121V	17.4	120	175	0.5
ICM0603ER181V	23.1	180	210	0.5
ICM0603ER251V	35.8	250	280	0.4

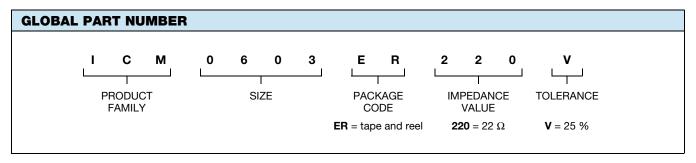
#### **Notes**

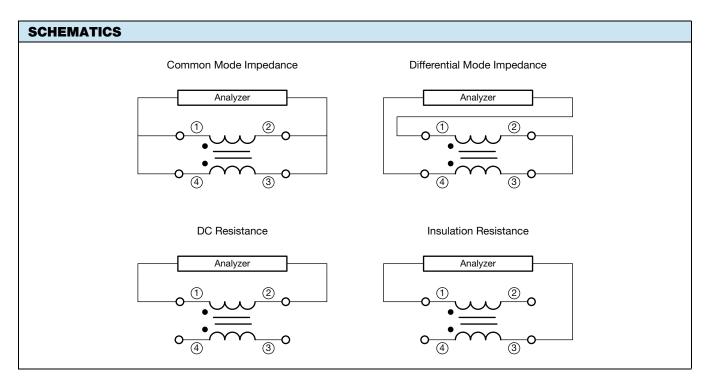
- All test data is referenced to 25 °C ambient
- Rated operating voltage = 50 V<sub>DC</sub> Rated dielectric withstanding voltage = 125 V<sub>DC</sub>
- Insulating resistance 10 M $\Omega$  min.
- Operating temperature range -40 °C to +125 °C Storage condition: -40 °C to +125 °C (on board); less than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



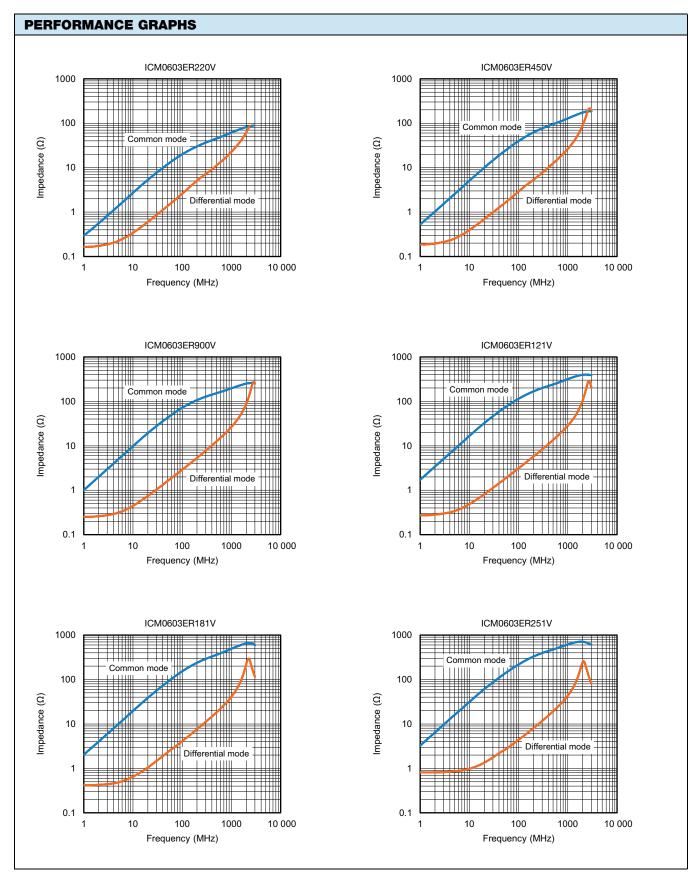
Revision: 27-Sep-2024 Document Number: 34643













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