# **Common Mode Choke Coil**

ACM-0603





### **FEATURES:**

- These low profile design to save PCB space
- Very low DC resistance
- Wide impedance range from 220hm to 250ohm

### > APPLICATIONS:

• Elimination of common mode noise in high-speed, differential mode signal transmission applications such as USB 2.0, IEEE1394 and LVDS.

### > STANDARD SPECIFICATIONS

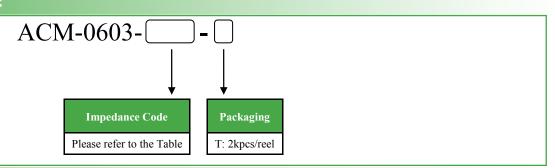
Abracon P/N:	ACM-0603
Operating Temperature	-40°C to +85°C
Storage Temperature	-10°C to +40°C, 70% RH max. in tape and reel

Part Number ACM-0603- Impedance Code	Common Mode Impedance @100MHz	DCR	Rated Current	Rated Voltage	Withstanding Voltage	Insulation Resistance
Units	$\Omega \pm 25\%$	Ω (max.)	mA	Vdc	Vdc	MΩ (min.)
ACM-0603-220	22	0.080	500	50	125	10
ACM-0603-450	45	0.110	500	50	125	10
ACM-0603-900	90	0.145	500	50	125	10
ACM-0603-121	120	0.175	500	50	125	10
ACM-0603-181	180	0.210	500	50	125	10
ACM-0603-251	250	0.280	400	50	125	10

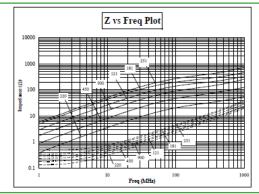
#### **Test Conditions**

- 1. Inductance is measured in HP4287A at frequency of 100MHz
- 2. Rated Current: For 15°C rise in temperature

### PART IDENTIFICATION:



# ELECTRICAL CHARACTERISTIC CURVES



Solid Line: Common Mode Dotted Line: Differential Mode





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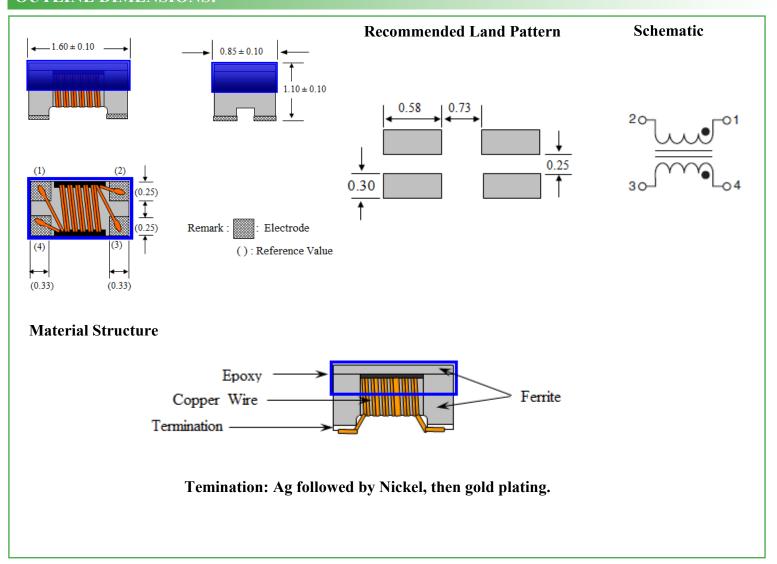




# **TEST CIRCUIT:**

Parameter	Terminal to be tested
Common Mode Impedance	Terminal Terminal
Withstanding Voltage	Terminab 000
DC Resistance	Terminab .000 o Terminal
Rated Current	
Insultaion Resistance	Terminab 000

# **OUTLINE DIMENSIONS:**







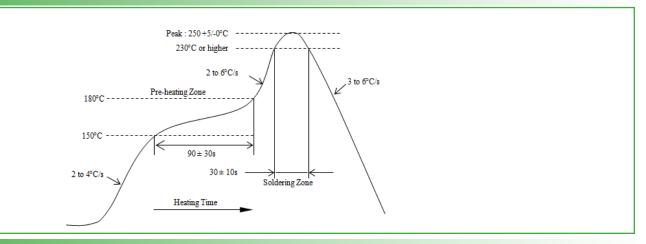
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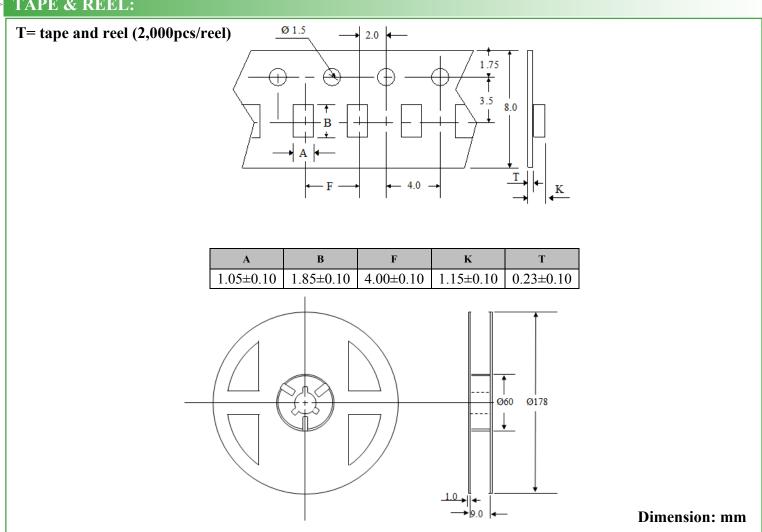




### **REFLOW PROFILE:**



# TAPE & REEL:



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