

TCMC1609 Series (Rev. 1.0)



Features

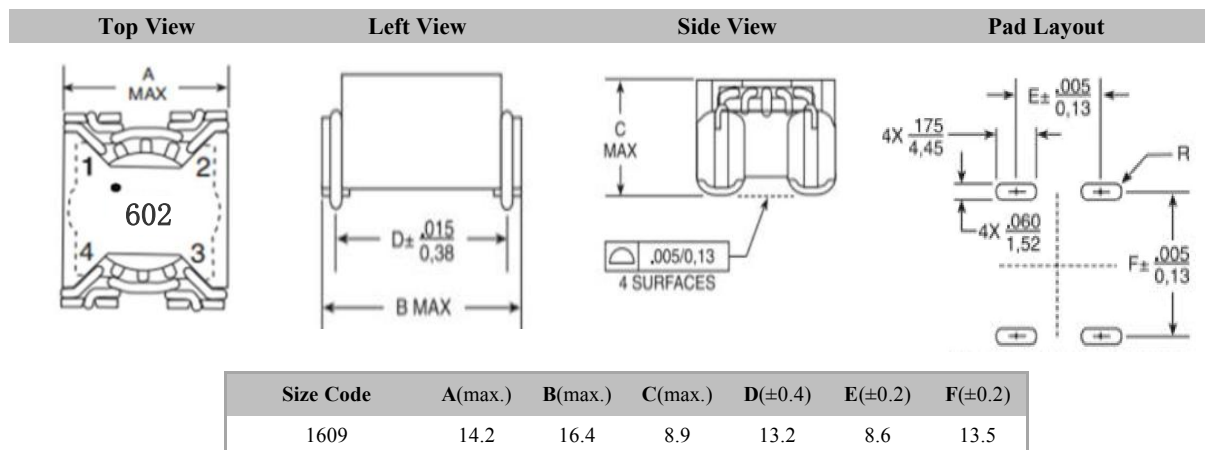
- * Common Mode Filter for high Current Capacity
- * Fit for power line & signal line circuit
- * To help you go pass the CE/FCC standard
- * Lower cost

Product Identification

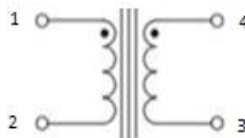
<u>TCMC</u>	<u>1609</u>	-	<u>602</u>	<u>S</u>
1	2		3	4

1. Product Code
2. Size Code
3. Inductance: 6mH
4. Tolerance: S=±35%

Dimension & Recommended Pad Layout: [in/mm]



Schematic:



Electrical Characteristics

Part No.	Inductance Pin(1-2) & (4-3)	DCR Pin(1-2) & (4-3)	SRF	IDC
TCMC1609-901S	0.9mH ± 35%	60mΩ typ.	3.00MHz min.	1.5A max.
TCMC1609-602S	6.0mH ± 35%	450mΩ typ.	0.22MHz min.	1.0A max.
TCMC1609-133S	13.0mH ± 35%	850mΩ typ.	0.19MHz min.	0.5A max.

* Test Condition: @100KHz/0.1V (Ambient temperature: 25°C)

* IDC: The actual value of D.C. current when the temperature rise is $\Delta t=40^{\circ}\text{C}$ ($T_a=20^{\circ}\text{C}$).

Applications

- * Mobile Device
- * Handheld Device
- * LowProfile Device, LCD.

Operating & Storage Condition

- * Operating Temp :Stand Type:-20 to +80°C
- * Storage Life Time:12 months @25°C, RH 65%
- * Storage Temp : Stand Type -20 to +40°C

Test Equipment

- * HP4284A,HP42841A-L,IDC,Q,RDC
- * HP8753D NETWORK ANALYZER-SRF

Standard Atmospheric Conditions

- * Ambient Temp : 20+/-15°C
- * Relative Humidity : 65+/-20%