

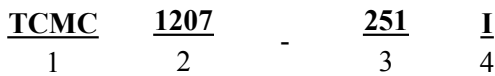
TCMC1207 Series (Rev. 1.0)



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



1. Product Code
2. Size Code
3. Inductance: 250uH
4. Tolerance: I=minimum

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

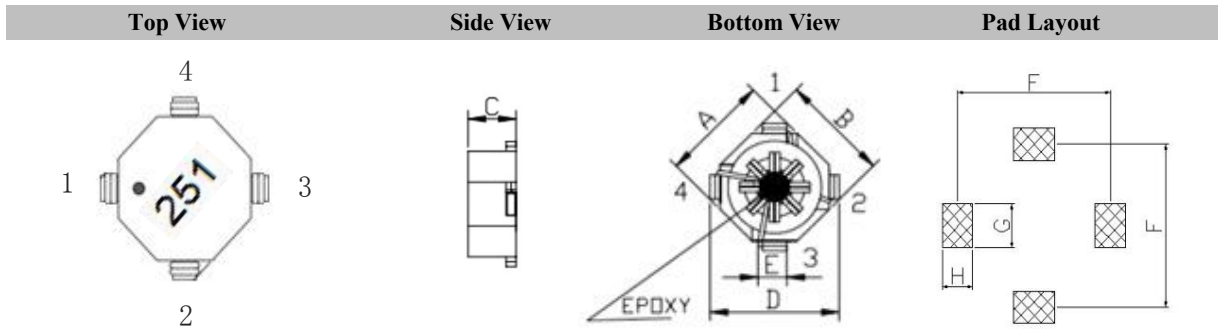
Test Equipment

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

Standard Atmospheric Conditions

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

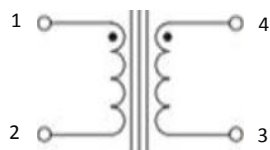
Dimension & Recommended Pad Layout: [mm]



Dot indicates PIN 1.

Size Code	A(±0.5)	B(±0.5)	C(max.)	D(±0.5)	E(typ.)	F(typ.)	G(typ.)	H(ref.)
1207	11.5	11.5	7.5	14.0	3.2	12.7	4.0	2.5

Schematic:



TCMC1207 Series (Rev. 1.0)

Electrical Characteristics

Part No.	Inductance Pin(1-2) & (4-3) (uH) min.	DCR Pin(1-2) & (4-3) (mΩ) typ.	Leakage Inductance (uH) typ.	IDC (A) max.
TCMC1207-280I	28	5	0.31	5.7
TCMC1207-450I	45	6	0.46	5.1
TCMC1207-650I	65	7	0.64	4.7
TCMC1207-900I	90	10	0.85	3.9
TCMC1207-151I	150	17	1.30	3.1
TCMC1207-221I	220	20	1.90	2.8
TCMC1207-251I	250	27	2.20	2.4
TCMC1207-351I	350	40	3.00	2.0
TCMC1207-401I	400	53	3.30	1.7
TCMC1207-521I	520	76	4.20	1.4
TCMC1207-651I	650	107	5.10	1.2
TCMC1207-791I	790	145	6.10	1.0
TCMC1207-102I	1000	210	7.80	0.8
TCMC1207-132I	1300	300	9.60	0.7

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

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

* Tolerance: I=minimum

