

TSCM3225B Series (Rev. 1.0)



Features

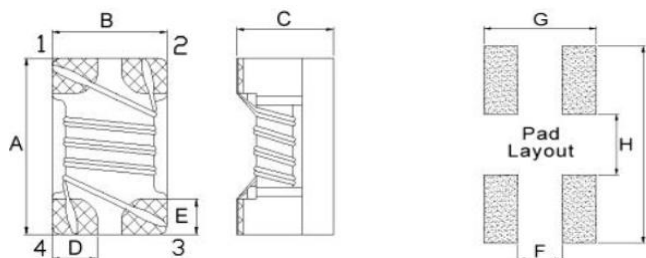
- * RoHS compliant
- * Miniature SMD type common mode filter for fully automated assembly
- * Wide impedance range (30 ~ 2200Ω) for noise suppression
- * Excellent solderability

Product Identification

TSCM
1
3225B
2
-
220
3

1. Product Code
2. Size Code
3. Inductance: 22uH

Dimension & Recommended PAD Layout: [mm]



Size Code	A(±0.2)	B(±0.2)	C(max.)	D(typ.)	E(typ.)	F(typ.)	G(typ.)	H(typ.)	I(typ.)
3225B	3.2	2.5	2.5	0.75	0.55	0.6	3.5	1.6	4.4

Electrical Characteristics

P/N	Impedance @10MHz (Ω) min.	Impedance @10MHz (Ω) typ.	Inductance @100KHz/0.1V (uH)	DCR (Ω) max.	IDC (mA) max.	Rated Voltage (VDC)	IR (MΩ) min.
TSCM3225B-110	300	550	11+50%/-30%	0.4	300	80	10
TSCM3225B-220	500	1100	22+50%/-30%	0.5	250	80	10
TSCM3225B-510	1000	2600	51+50%/-30%	0.7	200	80	10
TSCM3225B-101	2000	5100	100+50%/-30%	1.5	150	80	10

* IDC: Temp. rise 40°C typ.

A full series of common mode choke is designed for excellent noise attenuation with compact sizing for use in wide range of applications.

Both standard series and custom designs are available.

Applications

- * USB line for personal computers and periphera
- * IEEE 1394 line for personal computers, DVC, STB
- * LVDS, panel line for liquid display panels, graph card, etc.

Operating & Storage Condition

- * Operating Temp : -40 to +125°C
- * Storage Temp : -20 to +40°C
- * Storage Life Time: 12 Months @25°C , RH 65%

Test Equipment

- * HP4291A-Z, HP4284A, HP42841A- L, IDC, Q.RDC
- * HP8753D Network Analyzer- SRF

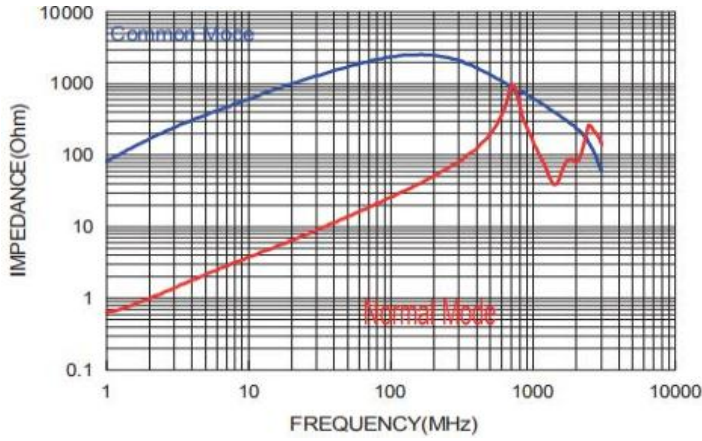
Standard Atmospheric Conditions

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

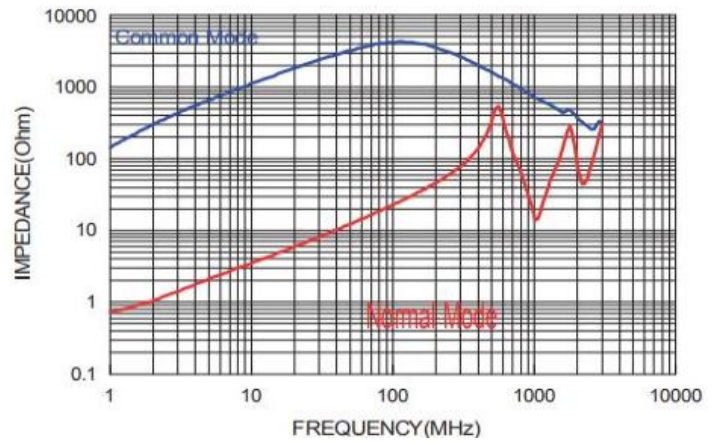


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CHARACTERISTICS(REFERENCE)

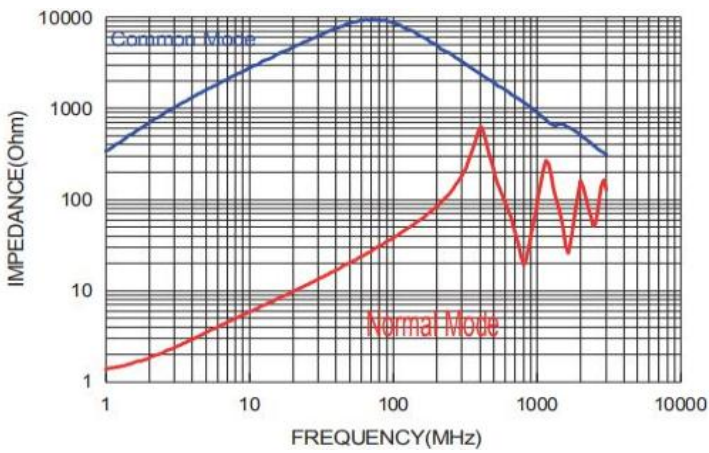
3225B-110



3225B-220



3225B-510



3225B-101

