

TBCH Series (Rev. 1.0)



Features

- * RoHS compliant
- * Adopt ferrite co-firing technology
- * Miniaturized EMI common mode filter product

Product Identification

TBCH 1012 - 900 N
 1 2 3 4

1. Product Code
2. Size Code
3. Impedance: 90Ω @100MHz
4. Tolerance: N=±25%

TBCH series is powerTUI components with composite co-fired material to solve EMI problem for high speed differential signal transmission line as USB, and LVDS, without distortion to high speed signal transmission

Applications

- * Tablet/notebook/motherboard/set-top box/router...etc
- * USB2.0/ Ethernet and other signal lines
- * MIPI, MHL serial interTACE in mobile device

Operating & Storage Condition

- * Operating Temp. : -40 to +85°C
- * Storage Temp. : -40°C max.
- * Storage Life Time : 6 Months @25°C , RH 65%

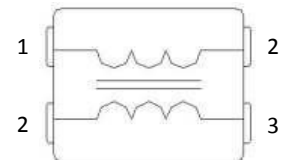
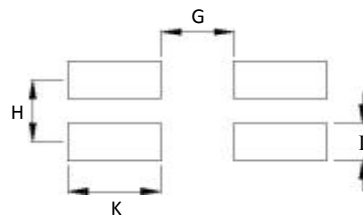
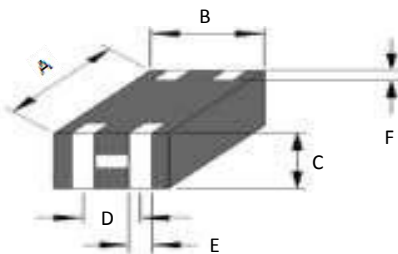
Test Equipment

- * Agilent E4991A RF IMPEDANCE ANALYZER
- * Agilent E5071C ENA SERIES NETWORK ANALYZER
- * HP4338 MILLIOHMETER

Standard Atmospheric Conditions

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

Dimensions, Pad Layout & Schematic: [mm]



Size Code	A(±0.10)	B(±0.10)	C(±0.10)	D(±0.10)	E(±0.10)	F(±0.15)	G(ref.)	H(ref.)	K(ref.)	I(ref.)
1012	1.25	1.00	0.60	0.50	0.30	0.20	0.55	0.50	0.70	0.30

Electrical Characteristics

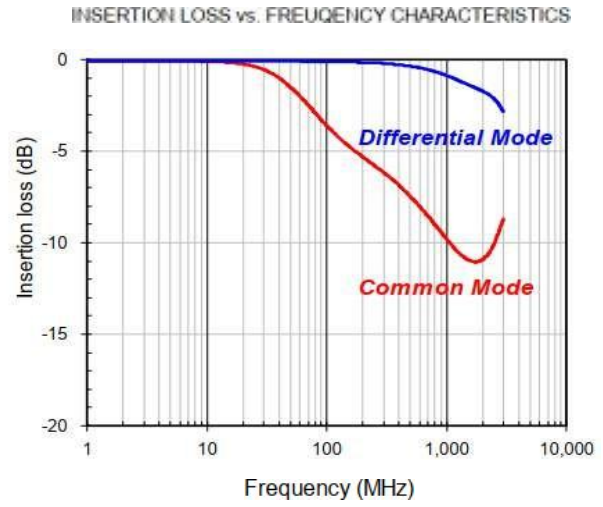
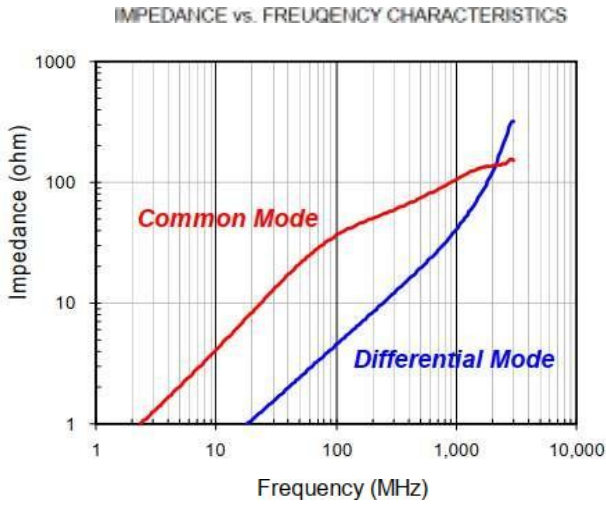
P/N	Impedance (Ω) @100MHz	DCR (mΩ)	IDC (mA)	Rated Voltage (V)	IR (MΩ)
TBCH1012-360N	36 ±25%	500 max.	300 max.	10 max.	200 min.
TBCH1012-670N	67 ±25%	500 max.	300 max.	10 max.	200 min.
TBCH1012-900N	90 ±25%	600 max.	300 max.	10 max.	200 min.



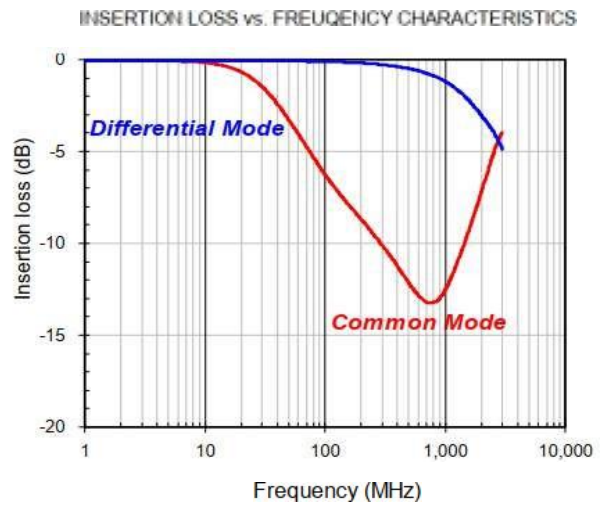
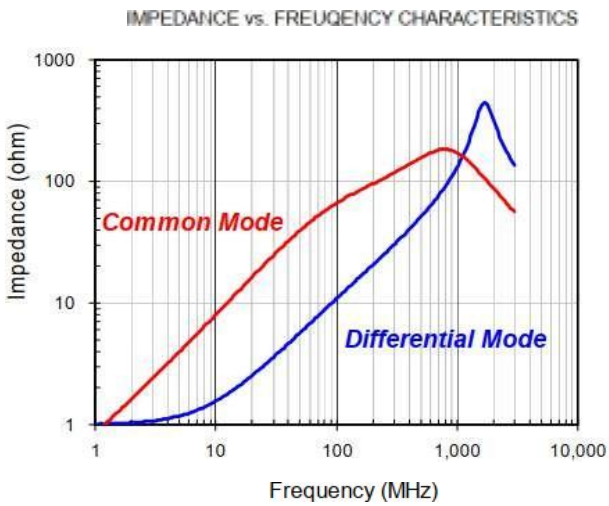
TBCH Series (Rev. 1.0)

CHARACTERISTICS(REFERENCE)

TBCH1012-360N



TBCH1012-670N



TBCH1012-900N

