

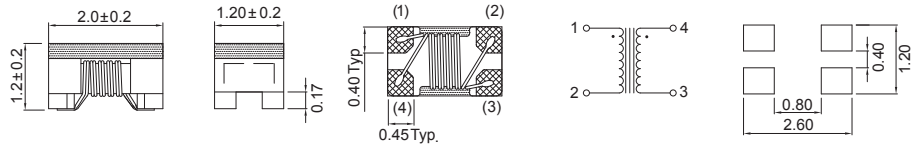
SCM2012FH Series (SHIELDED)

■ SMD Molded Wire Wound Ferrite Chip

MECHANICAL DIMENSIONS



SCM2012FH



Recommended Patterns

unit: mm

ELECTRICAL SPECIFICATION

Part Number	Impedance @100MHz (Ω)	Rated Current (mA) Max.	DCR (Ω) Max.	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance @125VDC (M.Ω) Min.
SCM2012FH-670M-I-LRH	67	400	0.25	50	125	10
SCM2012FH-900M-I-LRH	90	370	0.30			
SCM2012FH-121M-I-LRH	120	330	0.35			

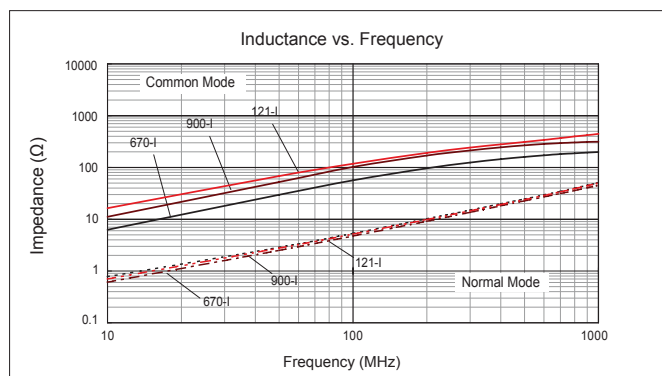
- Tolerance: M=±20%
- Small size, low profile.
- Various common mode impedance from 67Ω to 600Ω.
- Operating Temp.: -40°C to +125°C
- Storage temperature: -40°C to +125°C
- Temperature rise: 15°C
- Impedance measured using the HP4291B RF Impedance Analyzer.
- DCR measured using the 16502 milli-ohm meter.

APPLICATIONS

- Common mode noise suppression of signal lines in high speed and high-density digital equipment such as personal computers and peripherals.
- The cut-off frequency of HDMI for differential mode are 3.5GHz and 6GHz respectively, so they don't interfere with higher-speed differential signals such as DVI, HDMI. The product is suited for use on the transmission side of digital TVs, DVD recorders and liquid crystal projectors.

CHARACTERISTIC CURVE

SCM2012FH Series



SMD

Leaded