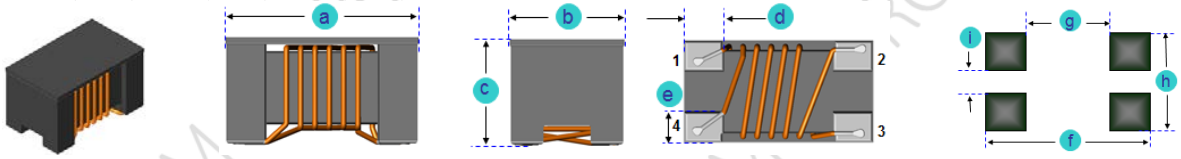
A. Electrical Specifications:

P/N	Impedance @100MHz (Ω)	DCR Max. (Ω)	Rated Current Max.(mA)	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance Min. (MΩ) @125Vdc
SCM2012FH-670_-I	67	0.30	400	50	125	10
SCM2012FH-900_-I	90	0.40	300	50	125	10
SCM2012FH-121_-I	120	0.45	250	50	125	10

B. Dimensions: mm (Inch)

Series	a	b	c	d	e	f	g	h	i
SCM2012FH-I	2.0 (0.079)	1.2 (0.047)	1.2 (0.047)	0.45 (0.018)	0.4 (0.016)	2.6 (0.102)	0.8 (0.031)	1.2 (0.047)	0.4 (0.016)
Tol.	±0.2 (0.008)	±0.2 (0.008)	±0.2 (0.008)	Typ.	Typ.	Typ.	Typ.	Typ.	Typ.



C. Schematic:



D. General Information:

1. SCM2012FH-xxx_-I, “SCM2012FH” = P/N, “xxx” = Impedance, “_” = Tolerance, “-I” = Internal code.
2. Tolerance “_”: M: ± 20%
3. Small size & low profile
4. Maximum Temperature Rise: 15°C (when measured at 25°C ambient).
5. Impedance measured with HP4291B RF Impedance Analyzer
6. DCR measured using the 16502 milliohm meter.
7. Operating temperature: -40°C to +125ºC
8. Storage temperature: -40°C to +125ºC
9. Impedance and Current Range: From 67 Ohms (400 mA) to 120 Ohms (250 mA)
10. Unspecified values available on request.
11. MSL: Level 1.

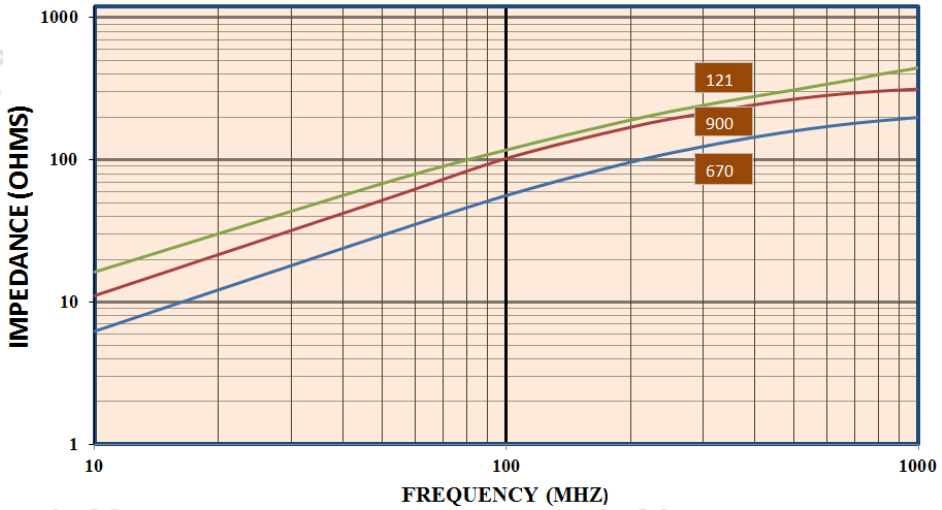
E. Applications:

1. Common mode noise suppression of signal lines in high speed and high-density digital equipment, such as personal computers and peripherals.
2. The cut-off frequency of HDMI for differential mode is 3.5 GHz 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.

667 E. Cochran St., Simi Valley, CA 93065
Phone: 1-805-522-9998, Fax: 1-805-522-9989

F. Characteristics Curve:

Impedance vs. Frequency (Common Mode)



Impedance vs. Frequency (Normal Mode)

