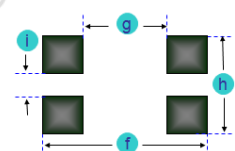
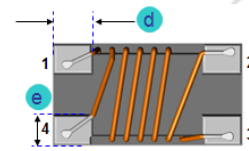
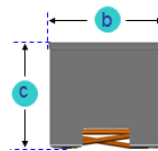
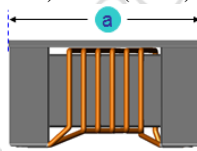
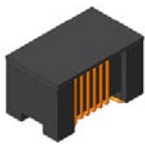


### A. Electrical Specifications:

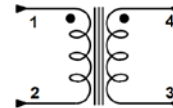
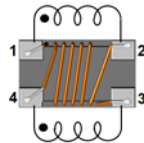
P/N	Impedance @ 100MHz (Ω)	DCR Max. (Ω)	Rated Current Max.(mA)	Rated Voltage (Vdc)	Withstand Voltage (Vdc)	Insulation Resistance Min. (MΩ) @ 125Vdc
SCM2012FH-670_-I	67	0.30	400	50	125	10
SCM2012FH-900_-I	90	0.40	300	50	125	10
SCM2012FH-121_-I	120	0.45	250	50	125	10

### 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:

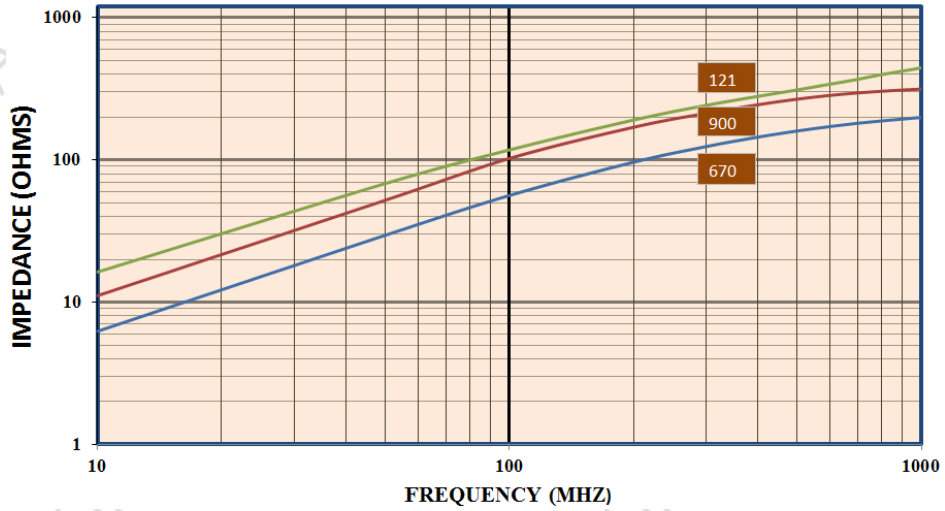
1. SCM2012FH-xxx\_-I, "SCM2012FH" = P/N, "xxx" = Impedance, "-" = Tolerance, "-I" = Internal code.
2. Tolerance "-": M: ± 20%
3. Small size & low profile
4. Maximum Temperature Rise: 15°C (when measured at 25°C ambient).
5. Impedance measured with HP4291B RF Impedance Analyzer
6. DCR measured using the 16502 milliohm meter.
7. Operating temperature: -40°C to +125°C
8. Storage temperature: -40°C to +125°C
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.

**F. Characteristics Curve:**

**Impedance vs. Frequency (Common Mode)**



**Impedance vs. Frequency (Normal Mode)**

