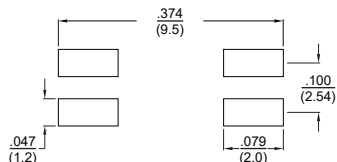
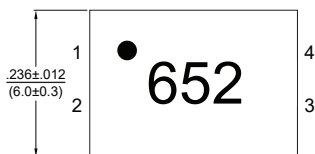




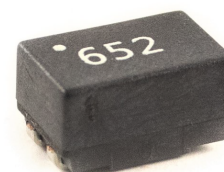
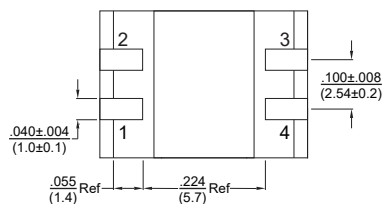
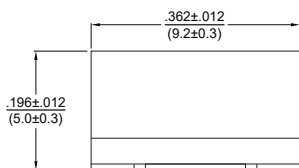
# SMD Common Mode Filter

# SCM0905

Dimensions: inch  
(mm)



Recommended PCB Layout



Allied Part Number	Inductance (μH) ±50%	Impedance (KΩ)	Test Freq (KHz)	Leakage (nH) Typ 1MHz/1mA	DCR (Ω) Max	Rated Current (mA) Max	Insulation Test Voltage (AC) Max	Rated Voltage (V) Max
SCM0905-652-RC	6500	18.4	10	280	0.95	400	500	80

All specifications subject to change without notice.

### Features

- High common mode impedance
- For EMI suppression
- Suitable for automated assembly
- Excellent solderability

### Electrical

**Inductance range:** 6500μH  
**Impedance range:** 18.4KΩ  
**Test Frequency:** 10KHz, 0.05V  
**Rated Voltage:** 80V Max  
**Operating Temp:** -40°C to +125°C, including self-temperature rise.  
**Rated Current:** ΔT 40°C Max.

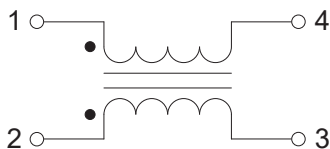
### Test Equipment

**|Z|:** HP4291B  
**DCR:** Chroma 16502  
**Insulation Resistance:** Chroma 19073

### Physical

**Packaging:** 800 pieces per 13 inch reel  
**Marking:** Standard EIA code

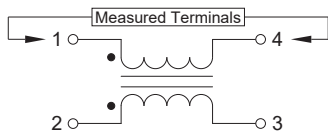
### Schematic



### Test Equipment

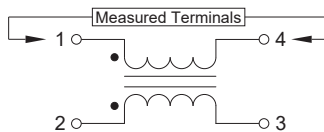
#### Impedance Testing

Measured with HP4291B RF Impedance Analyzer



#### DCR Testing

Measured with Chroma 16502 Milliohm Meter



#### Insulation Resistance Testing

Measured with Chroma 19073

