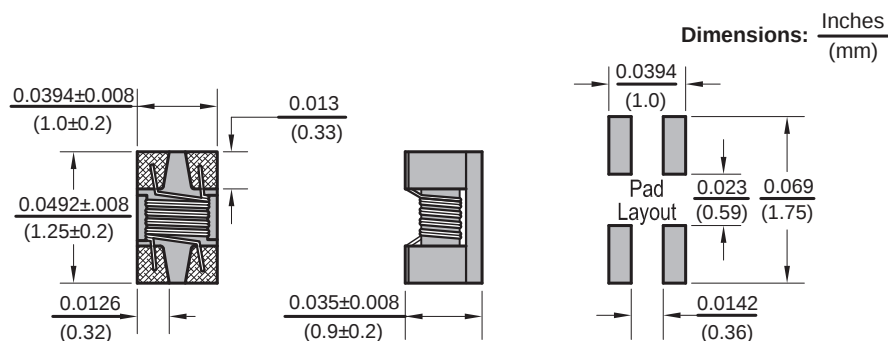


SCM05 USB 3.0 Common Mode Choke



Features

- Miniature SMD common mode filter
- Excellent noise attenuation in a small package
- Suitable for automated assembly
- Excellent solderability

Electrical

Impedance range: 60 Ω to 160 Ω

Tolerance: 20% over entire range

Test Frequency: 100MHz

Operating Temp: -25°C ~ 85°C

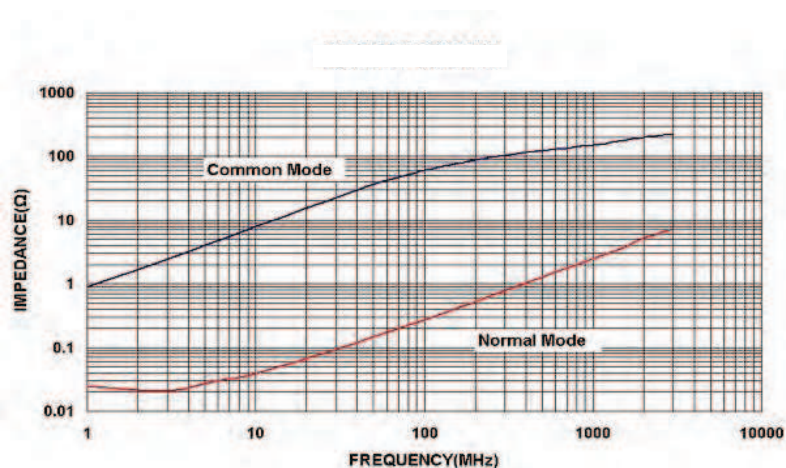
IDC: Inductance drop 10% Typ.
from original value with no current

DCR: Single Wire Test Value

Allied Part Number	Impedance Z (Ω)	Tolerance (%)	Test Freq. (MHz)	Rated Voltage (Vdc)	Insulation Resistance (M Ω)min	DCR Max. (Ω)	IDC Max. (mA)
SCM05-600M-RC	60	20	100	20	10	0.40	300
SCM05-670M-RC	67	20	100	50	10	0.25	300
SCM05-900M-RC	90	20	100	50	10	0.30	250
SCM05-121M-RC	120	20	100	50	10	0.40	200
SCM05-161M-RC	160	20	100	50	10	0.43	160

All specifications subject to change without notice.

Impedance vs. Frequency Graph



Resistance to Solder Heat

Pre-Heat 150°C, 1 minute

Solder Composition: Sn/Ag3.0/Cu0.5

Solder Temp: 260°C peak for 10 sec.

Test time: 6 minutes

Test Equipment

Impedance: HP4286A / HP4287A /

Agilent E4991A

(DCR): Chen Hwa 502BC

Insulation Resistance: HP4339B

(IDC): HP4284A with HP42841A /

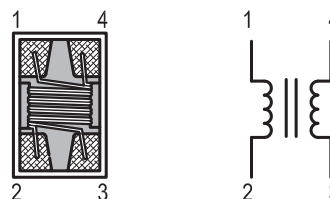
HP4285A with HP42841A

Physical

Packaging: 2000 pieces per 7 inch reel

Marking: None

SCHEMATIC



NO POLARITY EQUIVALENT CIRCUIT