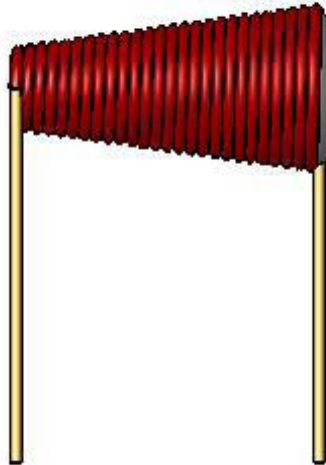




26 CUMMINGS ROAD, TYNGSBORO, MA 01879-1406

TEL: (978) 649-7501 FAX: (978) 649-9643



## CC25T47K240G100

### Electrical

Frequency:***	10 MHz – 40+ GHz Typ.
Return Loss:	-26dB Typ. In/Out
Insertion Loss:	-0.35 dB Typ.
Q Typ. @ 10 MHz:*	25-30
Idc (max):**	200 mA
Inductance @ 10 MHz:*	0.250 $\mu$ H
DCR Typ.:	0.910 $\Omega$
Operating Temp:	-55°C to 155°C

### Mechanical

Turns:	25
Wire:	47 Awg, 240 deg, Ins CU
ID- $f_{high}$ :	.008 +/- .002
OD- $f_{low}$ :	.025 Max
Length:	.050 Max
Fill:	Powdered Iron (S-Class)
Leads:	100 $\mu$ in Gold Plate

\* L & Q are measure on an HP 4191A Rf Impedance Analyzer using a 16092A Spring Clip Fixture.

\*\* Idc Max is the DC current at which the device sees a 100°C temperature rise over an ambient temperature of 25°C.

\*\*\* Please see "Conical Frequency Range Measurement Document" to see process for determining the inductors frequency range.