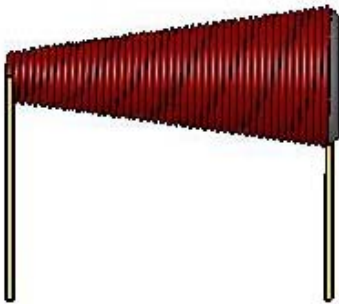
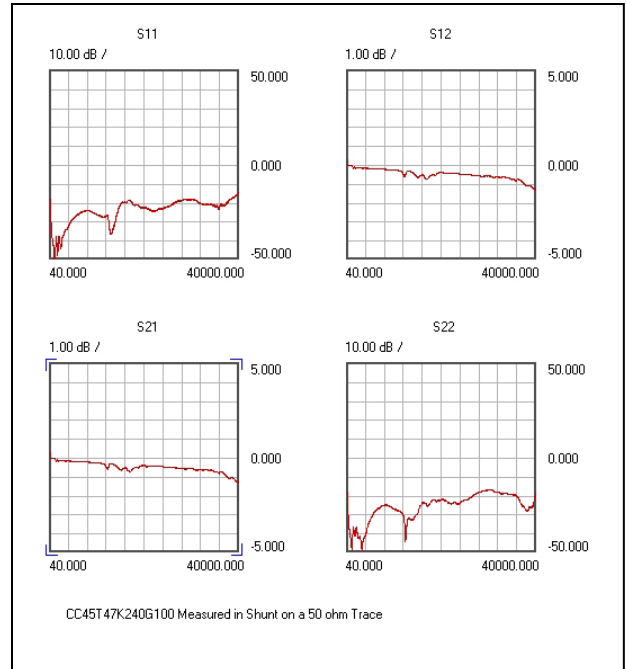


CC45T47K240G100

Electrical

Frequency:***	40 MHz – 40+ GHz Typ.
Return Loss:	-26 dB Typ. In/Out
Insertion Loss:	-0.35 dB Typ.
Q Typ. @ 10 MHz:*	25-30
Idc (max):**	140 mA
Inductance @ 10MHz:*	0.840 μ H
DCR Typ:	1.84 Ω
Operating Temp:	-55°C to +155°C



Mechanical

Turns:	45
Wire:	47 Awg, 240 deg, Ins CU
ID-f_{high}:	.008 +/- .002
OD-f_{low}:	.035 Max
Length:	.085 Max
Fill:	Powdered Iron (S-Class)
Leads:	100 μ m 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.