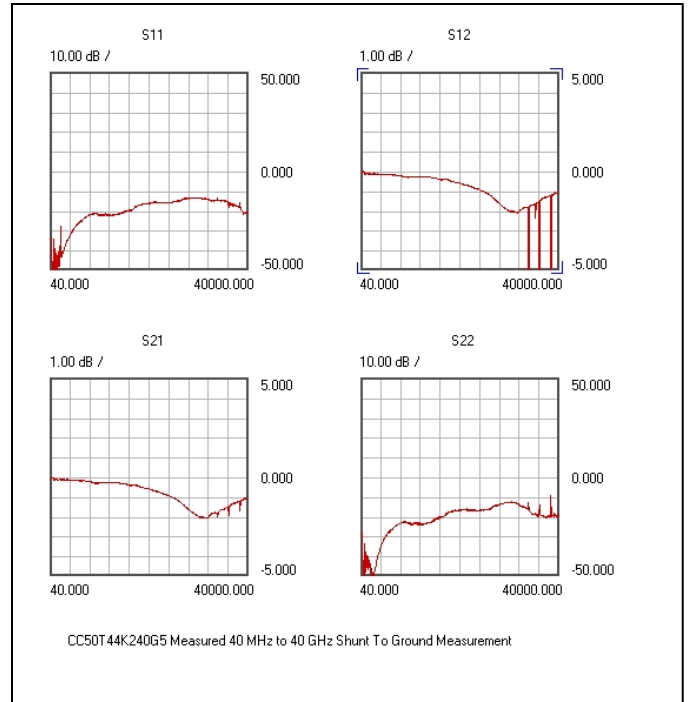


CC50T44K240G5

Electrical

Frequency:***	10 MHz – 20 GHz Typ.
Return Loss:	-16 dB Typ. In/Out
Insertion Loss:	-0.35 dB Typ.
Q Typ. @ 10 MHz:*	25-30
Idc (max):**	220 mA
Inductance @ 10MHz:*	2.35 μ H
DCR Typ:	1.60 Ω
Operating Temp:	-55°C to +155°C



Mechanical

Turns:	50
Wire:	44 Awg, 240 deg, Ins CU
ID-f_{high}:	.018 +/- .002
OD-f_{low}:	.060 Max
Length:	.135 Max
Fill:	Powdered Iron (S-Class)
Leads:	5-10 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.