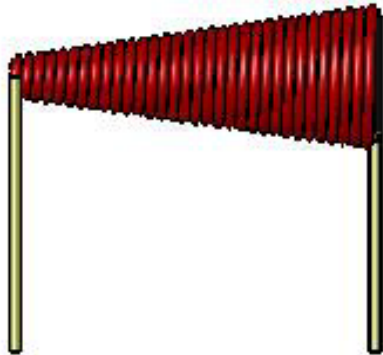
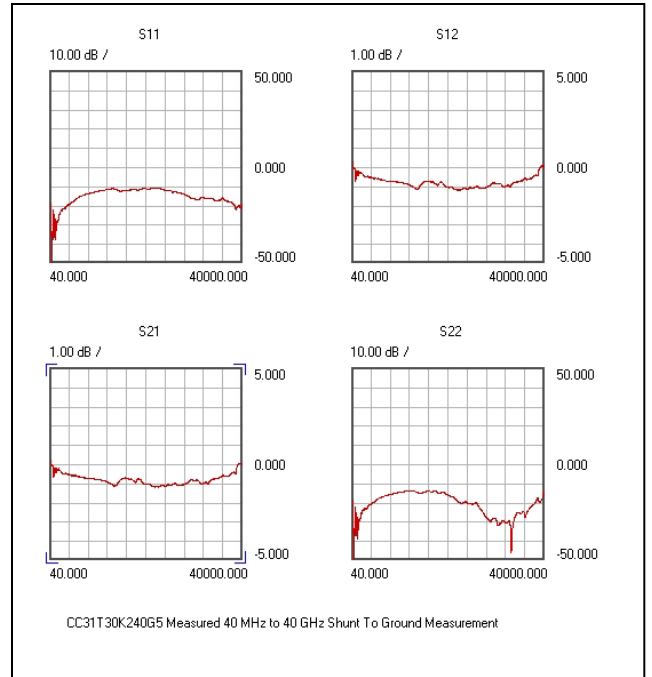


## CC31T30K240G5

### Electrical

<b>Frequency:***</b>	10 MHz – 5 GHz Typ.
<b>Return Loss:</b>	-16 dB Typ. In/Out
<b>Insertion Loss:</b>	-0.35 dB Typ.
<b>Q Typ. @ 10 MHz:*</b>	30-35
<b>Idc (max):**</b>	2250 mA
<b>Inductance @ 10MHz:*</b>	1.35 $\mu$ H
<b>DCR Typ:</b>	0.300 $\Omega$
<b>Operating Temp:</b>	-55°C to +155°C



### Mechanical

<b>Turns:</b>	31
<b>Wire:</b>	30 Awg, 240 deg, Ins CU
<b>ID-f<sub>high</sub>:</b>	.018 +/- .002
<b>OD-f<sub>low</sub>:</b>	.175 Max
<b>Length:</b>	.375 Max
<b>Fill:</b>	Powdered Iron (S-Class)
<b>Leads:</b>	5-10 $\mu$ 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.