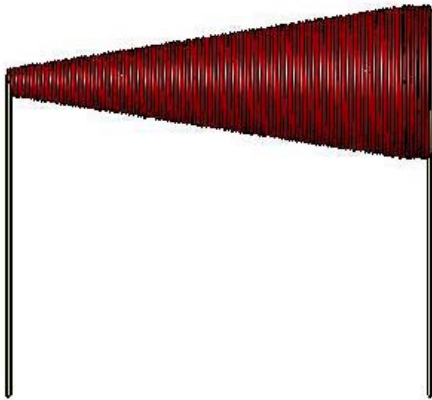
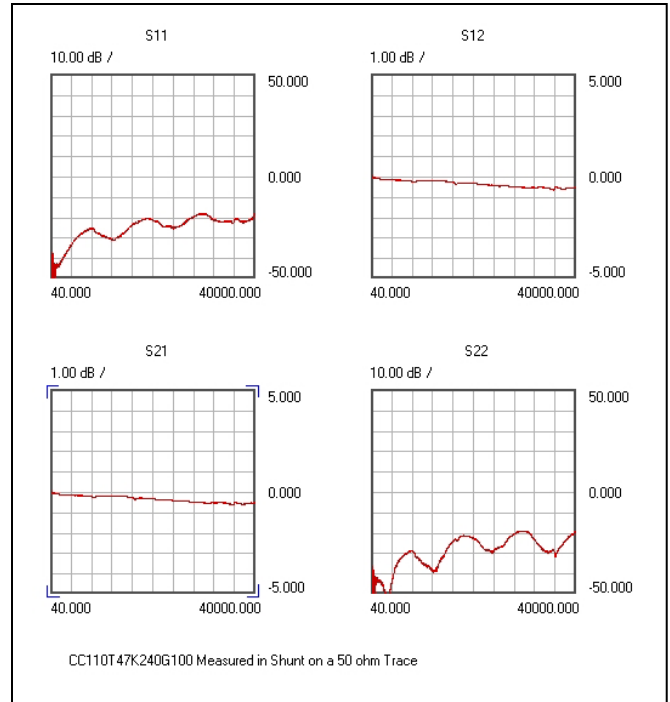


# CC110T47K240G100

## Electrical

<b>Frequency:***</b>	10 MHz – 40+ GHz Typ.
<b>Return Loss:</b>	-26 dB Typ. In/Out
<b>Insertion Loss:</b>	-0.35 dB Typ.
<b>Q Typ. @ 10 MHz:*</b>	25-30
<b>Idc (max):**</b>	100 mA
<b>Inductance @ 10MHz:*</b>	8.00 $\mu$ H
<b>DCR Typ:</b>	7.27 $\Omega$
<b>Operating Temp:</b>	-55°C to +155°C



## Mechanical

<b>Turns:</b>	110
<b>Wire:</b>	47 Awg, 240 deg, Ins CU
<b>ID-f<sub>high</sub>:</b>	.008 +/- .002
<b>OD-f<sub>low</sub>:</b>	.070 Max
<b>Length:</b>	.200 Max
<b>Fill:</b>	Powdered Iron (S-Class)
<b>Leads:</b>	100 $\mu$ 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.