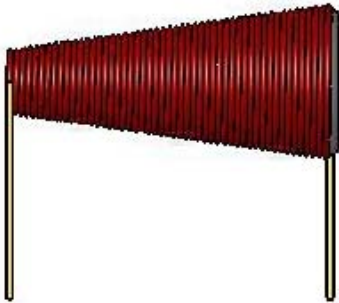
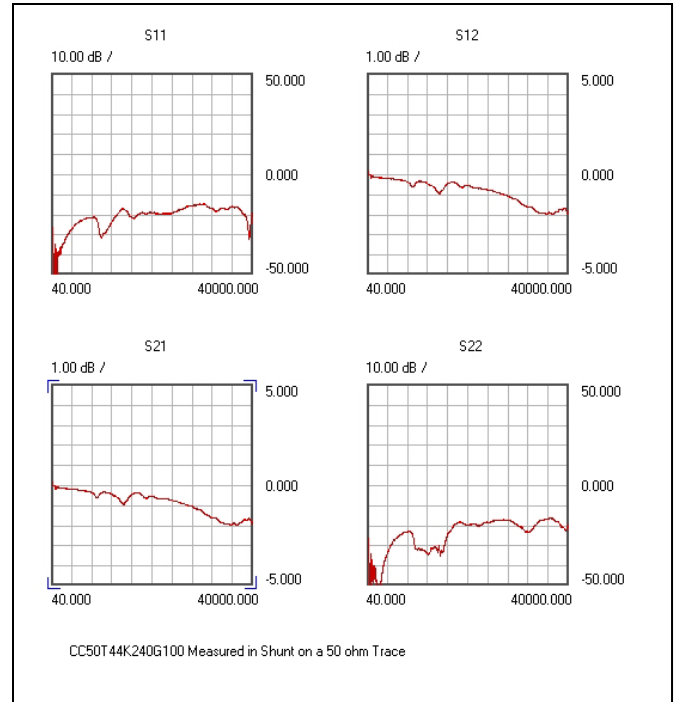


CC50T44K240G100

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):** | 200 mA |
| Inductance @ 10MHz:* | 2.35 μ H |
| DCR Typ: | 1.80 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: | 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.