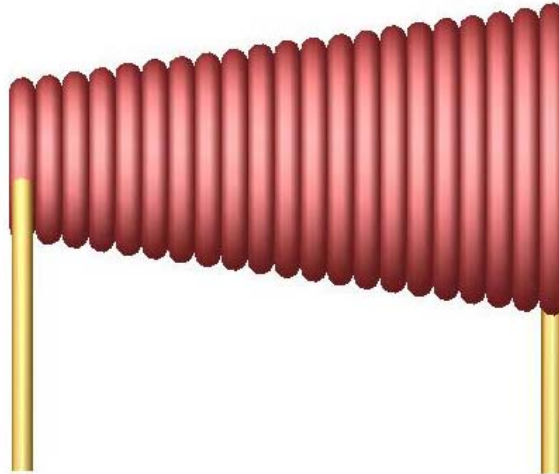




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## CC21T36K240G5

### Electrical

Frequency:***	10 MHz- 36 GHz typ.
Return Loss:	-26dB typ. In/Out
Insertion Loss	-0.35dB typ.
Q Typ. @ 10 MHz:*	25-30
Idc (max):**	1000 mA
Inductance @ 10 MHz:*	0.425 $\mu$ H
DCR Typ.:	0.140 $\Omega$
Operating Temp:	-55°C to 155°C

### Mechanical

Turns:	21
Wire:	AWG 36, Ins. Cu, 240°C
ID-f <sub>high</sub> :	0.018 +/- .002 in
OD-f <sub>low</sub> :	0.070 in
Length:	0.135 in
Fill:	Powdered Iron (S-Class)
Leads:	5 $\mu$ m Gold Plate

\* L & Q are measure on an HP 4191A Rf Impedance Analyzer using a 16092A Spring Clip Fixture.

\*\* I<sub>dc</sub> 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.

