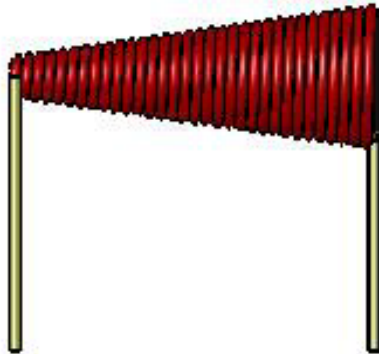




26 CUMMINGS ROAD, TYNGSBORO, MA 01879-1406

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### CC25T30K240G5

#### Electrical

Frequency:***	10 MHz – 6 GHz Typ.
Return Loss:	-16dB Typ. In/Out
Insertion Loss:	-0.35 dB Typ.
Q Typ. @ 10 MHz:*	30-35
Idc (max):**	2.50 Amps
Inductance @ 10 MHz:*	0.825 $\mu$ H
DCR Typ:	.280 $\Omega$
Operating Temp:	-55°C to 155°C

#### Mechanical

Turns:	25
Wire:	30 Awg, 240 C, Ins Cu
ID-f <sub>high</sub> :	.018 +/- .002
OD-f <sub>low</sub> :	.120 Max
Length:	.325 Max
Fill:	Powdered Iron (S-Class)
Leads:	5-10 Micro-inch Au 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.