PICONICS

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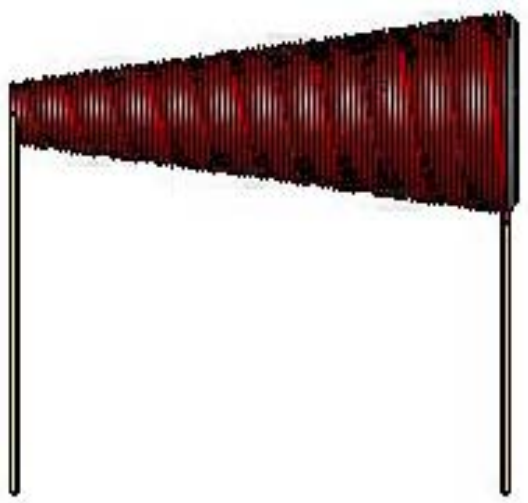

CC82T44K240G5

Electrical

Frequency:* **	**10 MHz – 15 GHz Typ.**
Return Loss:	**-26dB Typ. In/Out**
Insertion Loss:	**-0.35 dB Typ.**
Q Typ. @ 10 MHZ:*	**25-30**
Idc (max): **	**180 mA**
Inductance @ 10 MHz:*	**6.70 µH**
DCR Typ.:	**2.83 Ω**
Operating Temp:	**-55°C to 155°C**

Mechanical

Turns:	**82**
Wire:	**44 Awg, 240 deg, Ins CU**
ID-f_{high}:	**.018 +/-.002**
OD-f_{low}:	**.075 Max**
Length:	**.205 Max**
Fill:	**Powdered Iron (S-Class)**
Leads:	**5-10 µin 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.