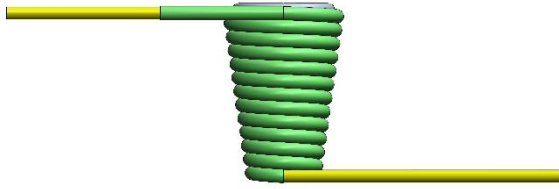
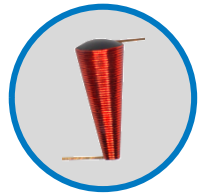




GAU Series Broadband Conical Inductor



Features

- Pure Gold Wire Conical Inductors
- Enhanced bond performance in Hybrid assembly applications.
- Performance comparable to standard conical inductors.

GAU Series Conical Inductor Specification

Part Number	L (uH)	I max (mA) @ 90C	Upper Freq. Limit (GHz) Typ.	Return Loss (dB) Typ.	Insertion Loss (dB) Typ.	Q Typ. @ 10 MHz	DCR Typ (Ohms)	Foot Print (OD x L) Inch
CC10T44GAU	.045	400	40	-20	-.35	8-12	.22	.025 x .030
CC12T44GAU	.060	375	40	-20	-.35	10-15	.25	.025 x .035
CC20T44K240GAU	.170	-	-	-	-	18-22	.40	.030 x .055
CC25T47K240GAU	.250	-	-	-	-	10-15	.90	.025 x .050
CC36T44K240GAU	.600	-	-	-	-	25-30	.82	.035 x .100
CC45T47K240GAU	.840	-	-	-	-	20-25	2.00	.035 x .085
CC75T44K240GAU	3.60	270	40	-20	-.35	32-36	2.70	.065 x .190
CC110T47K240GAU	8.00	100	40+	-26	-.35	28-32	8.50	.070 x .200

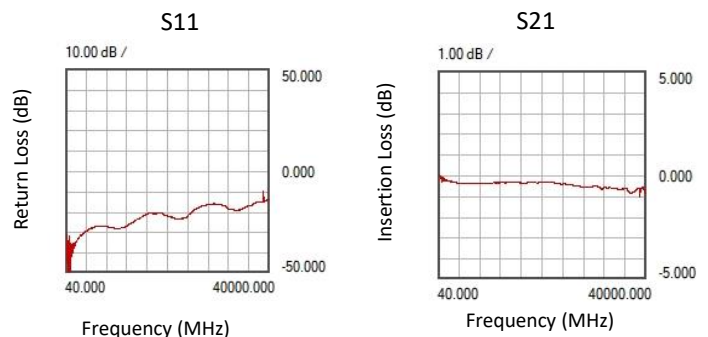
Custom conicals available upon request - Contact Piconics for more info.

S-Parameters available @ www.piconics.com

Environmental:

Operating Temp.	-55°C to +155°C
Storage Temp.	-55°C to +155°C
RoHS Compliant	Yes
Outgas	Meets ASTM E595
Wire Material	99.9% AU
Wire Insulation	240C Polyimide

Frequency Response:



CC75T44K240GAU
Shunt Measurement

TE Tect Electronics 特力电子
A High Quality Components Supplier
www.tect-electronics.com



www.piconics.com

ISO 9001:2015

Established 1963

26 Cummings Road | Tyngsboro, MA 01879 | P: 978-649-7501 | sales@piconics.com



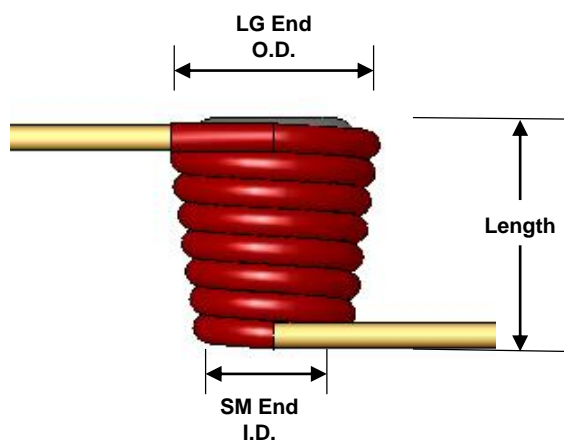
Rev A-2023

GAU Series Conical Inductor Specification

Part Number	Turns	Wire AWG	Length Inches [mm]	LG End O.D. Inches [mm]	SM End I.D. Inches [mm]	Lead Finish	Insulation Color
CC10T44GAU	10	44	.030 [.76]	.025 [.64]	.008 [.20]	99.9% Au	Green
CC12T44GAU	12	44	.035 [.89]	.025 [.64]	.008 [.20]	99.9% Au	Green
CC20T44K240GAU	20	44	.055 [1.40]	.030 [.76]	.008 [.20]	99.9% Au	Green
CC25T47K240GAU	25	47	.050 [1.27]	.025 [.64]	.008 [.20]	99.9% Au	Green
CC36T44K240GAU	36	44	.100 [2.54]	.035 [.89]	.008 [.20]	99.9% Au	Green
CC45T47K240GAU	45	47	.085 [2.16]	.035 [.89]	.008 [.20]	99.9% Au	Green
CC75T44K240GAU	75	44	.190 [4.83]	.065 [1.65]	.008 [.20]	99.9% Au	Green
CC110T47K240GAU	110	47	.200 [5.08]	.070 [1.78]	.008 [.20]	99.9% Au	Green

Custom conicals available upon request - Contact Piconics for more info.
S-Parameters available @ www.piconics.com

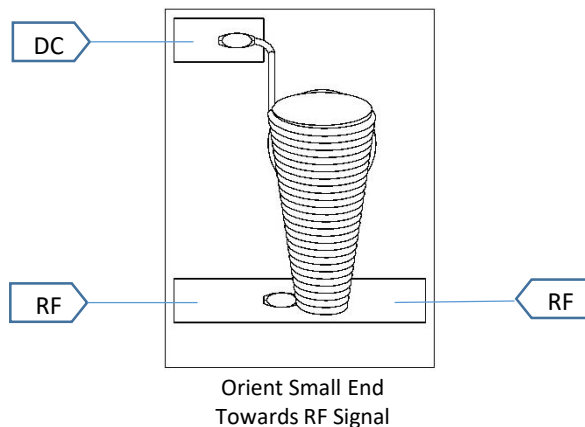
Mechanicals:



- Lead length is 0.200 inches MIN
- Insulation stripped within .050 of coil at large end
- Insulation stripped to coil body at small end
- Dimensions listed are nominal values

Not Drawn To Scale

Mounting:



Packaging:

Package Type	Gel Pak
Quantity / Pack	25 - 100

Notes:

1. L & Q measured @ 10 MHz on an HP 4191A RF Impedance Analyzer using a 16092A Spring Clip Fixture.
2. Idc Max is the DC current at which the device sees a 35°C temperature rise over an ambient temperature of 90°C.
3. Please see "Conical Frequency Range Measurement Document" for process of determining the inductors frequency range.
4. Please see "Mounting Instructions" on our website for additional mounting instructions.