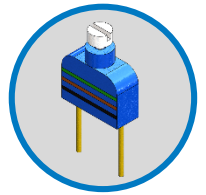




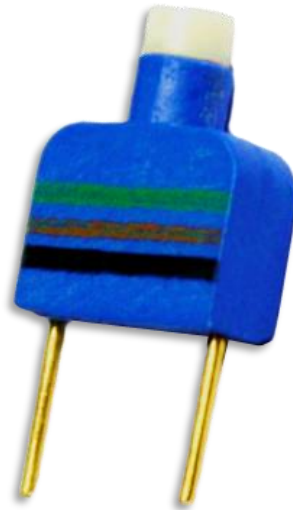
TT Series Tunable Inductors



Piconics TT series, a molded top tuned inductor, is designed for use in high-density printed-circuit boards where surrounding components prevent side tuning. It occupies one third the volume of a TO-5 can. The inductor has a molded case and utilizes a self-locking tuning screw.

Applications:

- Military Radar
- Confined Spaces
- MW TXRX Modules
- Printed Circuit Boards
- Tuned Circuit Assemblies

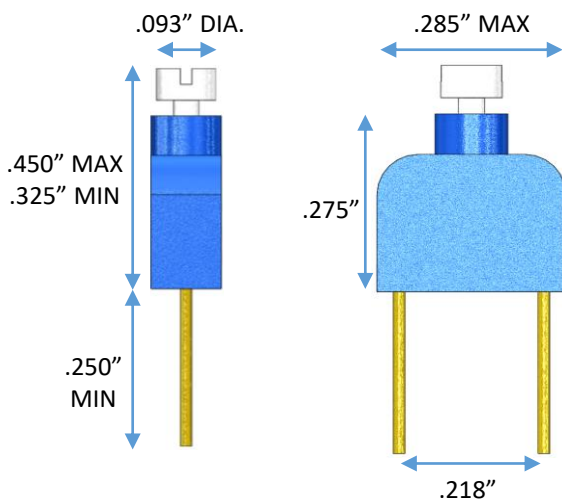


Features:

- Top Tunable
- Molded Case
- High Reliability
- Self-Locking Screw
- Style, Military LT1 1
 - Grade 2
 - Class A
- QPL Listed 15305
 - MS 53233
 - MS 53234

Mechanicals:

Not Drawn To Scale
Dimensions in Inches



Environmental:

Operating Temp.	-55°C to +125°C
Storage Temp.	-55°C to +125°C
Power Dissipation	225 mW max
Dielectric Withstanding Voltages:	Sea Level: 1,000 V rms min 70,000 feet: 300 V rms min

Physical Characteristics:

Terminal Pull	TT250-8I Through TT104-3F: 2 lb. min TT124-3F Through TT105-1F: 1 lb. min
Tuning Torque	0.005 - 2 in. oz.
Stop Torque	0.2 in. oz. max
Weight	.25 gram max
Case	Diallyl Phthalate



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ISO 9001:2015

Established 1963

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Rev A-2021

TT Series Inductor Specifications						
Part Number	L Range μH	Q Min @ Lmax	Test Freq. MHz	SRF Min MHz	DCR Max Ohms	Idc Max ma
TT250-8I-10	.020 – .025	50	200	1000	.04	250
TT510-8I-10	.036 – .051	40	100	700	.05	250
TT760-8I-10	.055 – .076	40	100	615	.15	250
TT101-8I-10	.075 – .10	30	25	500	.50	250
TT151-8I-10	.11 – .15	30	25	420	.50	200
TT221-8I-10	.16 – .22	30	25	400	.60	180
TT271-8I-10	.19 – .27	30	25	400	.80	180
TT331-8I-10	.24 – .33	30	25	320	.90	140
TT471-8I-10	.34 – .47	30	25	290	1.0	100
TT561-8I-10	.40 – .56	30	25	250	1.1	100
TT681-8I-10	.50 – .68	30	25	240	1.3	100
TT821-8I-10	.59 – .82	30	25	180	1.4	100
TT102-6I-00	.67 – 1.0	25	7.9	140	1.5	100
TT152-6I-00	1.0 – 1.5	25	7.9	135	1.6	100
TT222-6I-00	1.5 – 2.2	25	7.9	100	2.1	80
TT272-6I-00	2.0 – 2.7	25	7.9	60	2.4	75
TT332-6I-00	2.2 – 3.3	25	7.9	55	2.7	65
TT472-6I-00	3.2 – 4.7	25	7.9	50	3.3	60
TT582-6I-00	3.9 – 5.8	25	7.9	36	4.2	58
TT682-6I-00	4.5 – 6.8	25	7.9	34	4.5	55
TT822-6I-00	5.5 – 8.2	25	7.9	32	4.5	50
TT103-3F-00	6.0 – 10	22	2.5	30	4.5	50
TT133-3F-00	6.5 – 13	22	2.5	28	4.5	50
TT163-3F-00	8 – 16	22	2.5	26	5.1	50
TT203-3F-00	10 – 20	22	2.5	20	5.3	43
TT223-3F-00	11 – 22	22	2.5	14	6.0	43
TT303-3F-00	15 – 30	22	2.5	10	6.8	40
TT363-3F-00	18 – 36	22	2.5	9	7.5	40
TT473-3F-00	24 – 47	22	2.5	6.5	8.6	39
TT563-3F-00	28 – 56	22	2.5	6.3	10.5	35
TT683-3F-00	34 – 68	22	2.5	6.2	12.0	30
TT753-3F-00	38 – 75	22	2.5	5.9	13.5	30
TT863-3F-00	43 – 86	22	2.5	5.6	15.0	28
TT104-3F-00	50 – 100	20	.79	5.4	18.0	27

Contact Piconics



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