

# Plug-In RF Transformer

50Ω 0.08 to 200 MHz

## T1-1T-X65+



Generic photo used for illustration purposes only  
CASE STYLE: X65

**+RoHS Compliant**

The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

### Maximum Ratings

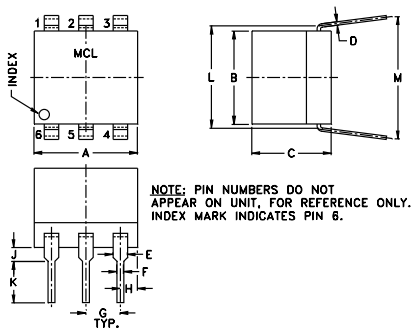
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA

Permanent damage may occur if any of these limits are exceeded.

### Pin Connections

PRIMARY DOT	4
PRIMARY	6
SECONDARY DOT	3
SECONDARY	1
SECONDARY CT	2
NOT USED	5

### Outline Drawing



### Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
.30	.27	.23	.010	.042	.020	.100
7.62	6.86	5.84	0.25	1.07	0.51	2.54
H	J	K	L	M	wt	
.05	.04	.11	.300	.35	grams	
1.27	1.02	2.79	7.62	8.89	0.50	

### Features

- wideband, 0.08 to 200 MHz
- excellent return loss
- also available with flat-pack (W38) & surface mount gull-wing (KK81) leads.

### Applications

- VHF
- receivers/transmitters

### Transformer Electrical Specifications

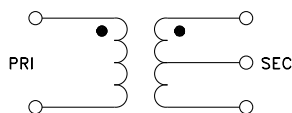
Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	0.08-200	.08-200	0.15-150	0.2-80

\*Insertion Loss is referenced to mid-band loss, 0.3 dB typ.

### Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.05	2.78	1.64
0.08	1.18	4.39
0.20	0.52	9.45
0.50	0.38	16.31
1.00	0.36	19.67
80.00	0.64	9.96
99.33	0.76	8.80
150.00	1.23	5.83
192.51	1.60	4.60
200.00	1.63	4.55

### Config. A



### Notes

- Performance and quality attributes and conditions not expressly stated in this specification document are intended to be excluded and do not form a part of this specification document.
- Electrical specifications and performance data contained in this specification document are based on Mini-Circuit's applicable established test performance criteria and measurement instructions.
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