

# Surface Mount RF Transformer

50Ω 0.050 to 600 MHz

T2-1+  
T2-1



CASE STYLE: W38

## Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	250mW
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

## Pin Connections

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

## Features

- wideband, 0.05 to 600 MHz
  - excellent return loss
  - also available with surface mount gull wing (KK81)
  - plug-in (X65) leads
- ## Applications
- impedance matching
  - VHF/UHF

## +RoHS Compliant

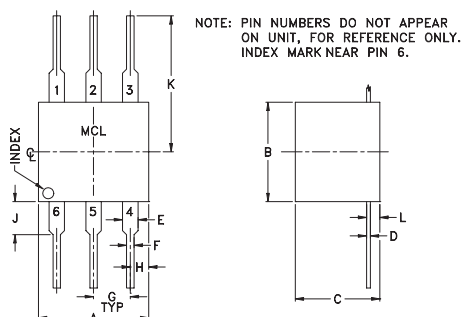
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

## Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
2	0.050-600	0.050-600	0.1-400	0.5-200

\* Insertion Loss is referenced to mid-band loss, 0.2 dB typ.

## Outline Drawing



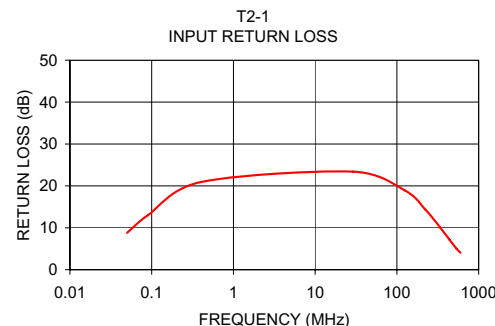
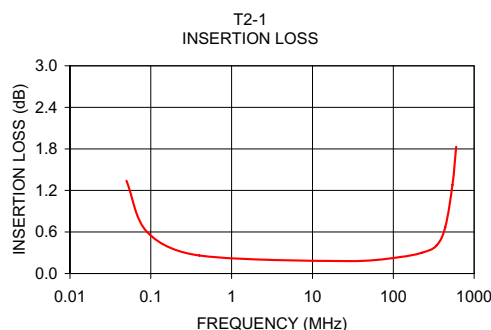
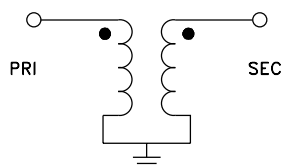
## Outline Dimensions (in)

A	B	C	D	E	F
.30	.27	.23	.010	.042	.020
7.62	6.86	5.84	0.25	1.07	0.51
G	H	J	K	L	wt
.100	.05	.09	.31	.036	grams
2.54	1.27	2.29	7.87	0.91	0.50

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.05	1.34	8.81
0.09	0.60	13.01
0.40	0.26	20.91
29.00	0.18	23.40
124.00	0.24	18.97
225.00	0.30	14.27
340.00	0.40	10.01
440.00	0.67	7.14
540.00	1.28	4.96
600.00	1.83	4.07

## Config. D



## 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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