

# Surface Mount RF Transformer

50Ω 0.07 to 200 MHz

T2-613-1+  
T2-613-1



Generic photo used for illustration purposes only

CASE STYLE: W38

**+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	X1,Y5,Z3
PRIMARY	X2,Y6,Z4

## Features

- wideband, 0.07 to 200 MHz
- single ended to balanced with impedance ratio selection
- also available with surface mount gull wing (KK81) plug-in (X65) leads

## Applications

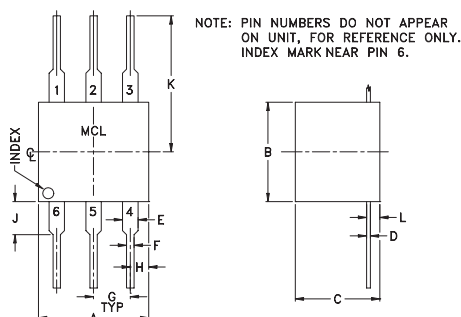
- HF/VHF
- test equipment

## Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1:1:2	0.07-200	0.07-200	0.1-100	0.5-50

\* Insertion Loss is referenced to mid-band loss, 0.4 dB typ.

## Outline Drawing



## Outline Dimensions (inch)

A	B	C	D	E	F
.30	.27	.23	.010	.042	.020
7.62	6.86	5.84	0.25	1.07	0.51

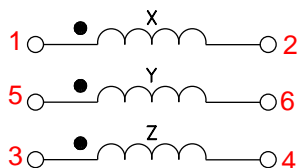
  

G	H	J	K	L	wt
.100	.05	.09	.31	.036	grams
2.54	1.27	2.29	7.87	0.91	0.50

## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.07	1.48	8.88
0.20	1.34	15.76
0.63	0.68	20.56
2.00	0.47	25.22
9.20	0.42	27.19
29.09	0.49	23.67
63.25	0.58	18.52
100.24	0.77	15.39
149.06	1.06	13.44
200.00	1.45	13.77

## Config. F

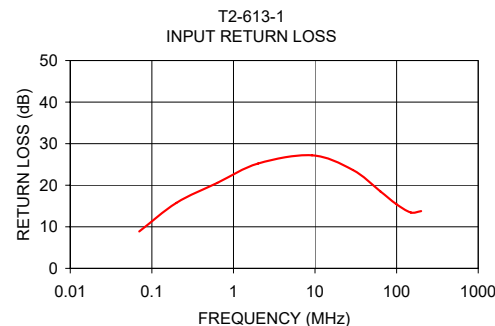
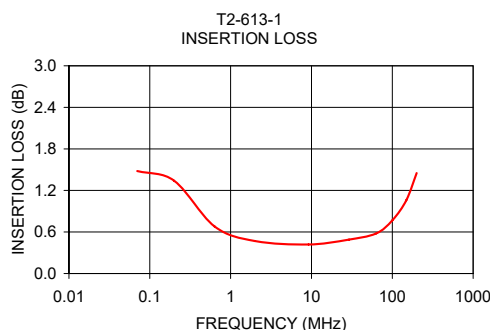


## Notes

- 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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