

RF Transformer

T1-6-X65

50Ω 0.01 to 150 MHz



CASE STYLE: X65

Maximum Ratings

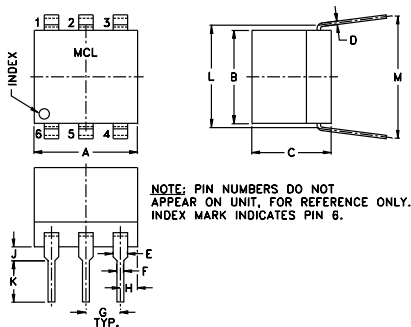
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	250mW
DC Current	30mA

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

Pin Connections

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

Outline Drawing



Outline Dimensions (inch)

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

- good return loss
- also available with flat-pack (W38) and surface mount gull-wing (KK81) leads

Applications

- HF/VHF
- receivers/transmitters

Transformer Electrical Specifications

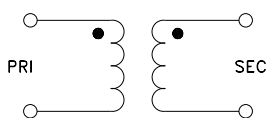
Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	0.01-150	0.01-150	0.02-100	0.05-50

* Insertion Loss is referenced to mid-band loss, 0.15 dB typ.

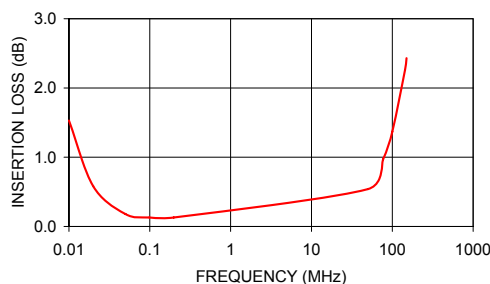
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.01	1.53	3.51
0.02	0.58	7.36
0.05	0.18	14.35
0.10	0.13	20.32
0.20	0.13	26.00
50.00	0.54	9.38
76.89	0.97	6.19
100.00	1.37	4.61
143.59	2.26	2.79
150.00	2.43	2.57

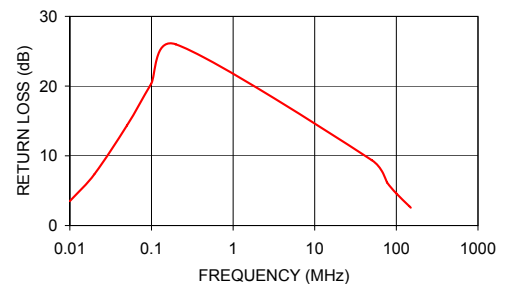
Config. C



T1-6-X65 INSERTION LOSS



T1-6-X65 INPUT RETURN LOSS



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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