RF Transformer

0.2 to 150 MHz

T14-1-X65+



Generic photo used for illustration purposes only CASE STYLE: X65

+RoHS Compliant

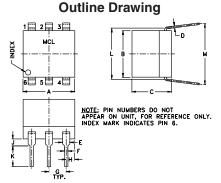
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications

Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	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



Outline Dimensions (inch)

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

Config. D PRI SEC

Features

- wideband, 0.2 to 150 MHz
- good return loss
- also available with flat-pack (W38) & surface mount gull-wing (KK81) leads

Applications

- impedance matching
- radio communication

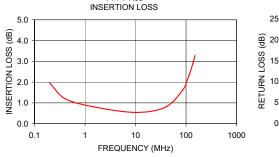
Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
14	0.2-150	0.2-150	0.5-100	2-50

^{*} Insertion Loss is referenced to mid-band loss, 0.6 dB typ.

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	
0.20	1.96	8.58	
0.41	1.20	12.75	
1.48	0.81	16.38	
10.09	0.54	13.93	
39.40	0.80	4.69	
86.71	1.63	1.60	
104.96	2.08	1.21	
118.91	2.44	1.01	
138.49	2.95	0.83	
150.00	3.28	0.76	





- A. 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.

 B. 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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