RF Transformer

TT1.5-1-X65+ TT1.5-1-X65

CASE STYLE: X65

for RoHS Compliance methodologies and qualifications

0.075 to 500 MHz

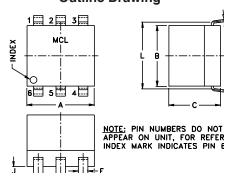
Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	55°C to 100°C
RF Power	250mW
DC Current	30mA
Pormonant damage may occur if any	of those limits are evenedo

Pin Connections

4
6
5
3
1
2

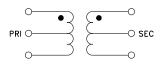
Outline Drawing



Outline Dimensions (inch)

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

Config. B



Features

- wideband, 0.075 to 500 MHz
- also available with flat-pack (W38) & surface mount gull-wing (KK81) leads
- good return loss

+RoHS Compliant The +Suffix identifies RoHS Compliance. See our web site

Applications

- VHF/UHF
- impedance matching
- CATV

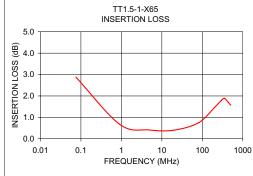
Transformer Electrical Specifications

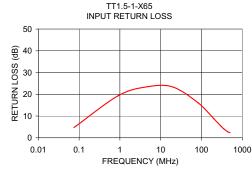
Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1.5	0.075-500	0.075-500	0.2-100	1-50

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

Typical Performance Data

	UENCY IN IHz)		INPUT R. LOSS (dB)
0.	.080	2.88	4.70
0.	.910	0.67	19.36
4.	.940	0.41	23.51
19	.840	0.40	23.36
81	.210	0.75	16.19
201	.510	1.47	8.72
297	.470	1.80	5.38
351	.510	1.89	4.13
439	.130	1.70	2.79
500	.000	1.57	2.35





- 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.

 C. The parts covered by this specification document are subject to Mini-Circuits standard limited warranty and terms and conditions (collectively, "Standard Terms"); Purchasers of this part are entitled to the rights and benefits contained therein. For a full statement of the Standard Terms and the exclusive rights and remedies thereunder, please visit Mini-Circuits' website at www.minicircuits.com/MCLStore/terms.jsp