

Plug-In RF Transformer

50Ω 0.15 to 400 MHz

T1-1-X65+
T1-1-X65



CASE STYLE: X65
PRICE: \$3.25 ea. QTY (1-9)

+ RoHS compliant in accordance with EU Directive (2002/95/EC)

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

Pin Connections

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

Features

- wideband, 0.15 to 400 MHz
- good return loss
- also available with radial leads (W38) & surface mount gull-wing (KK81)

Applications

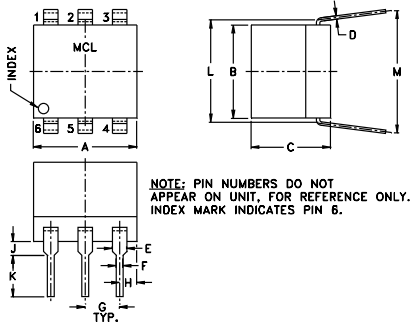
- VHF/UHF
- receivers/transmitters

Transformer Electrical Specifications

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1	0.15-400	0.15-400	0.35-200	2-50

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

Outline Drawing



Outline Dimensions (inch)

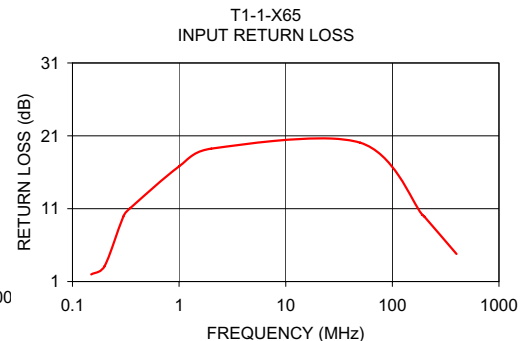
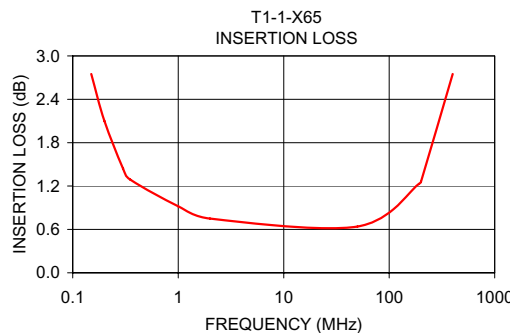
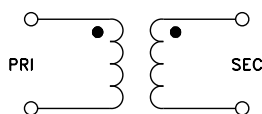
A	B	C	D	E	F	G
.30	.27	.23	.010	.042	.020	.100
7.62	6.86	5.84	0.25	1.07	0.51	2.54

H	J	K	L	M	wt
.05	.04	.11	.300	.35	grams
1.27	1.02	2.79	7.62	8.89	0.50

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.15	2.75	1.98
0.20	2.10	3.10
0.30	1.44	9.92
0.35	1.29	11.10
1.00	0.92	16.82
2.00	0.75	19.24
50.00	0.64	20.06
191.32	1.23	10.15
200.00	1.26	9.90
400.00	2.75	4.79

Config. C



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The Design Engineers Search Engine Provides ACTUAL Data Instantly From MINI-CIRCUITS At: www.minicircuits.com

IF/RF MICROWAVE COMPONENTS

REV. A
M98898
T1-1-X65
IG/TD/CP
090226