

Plug-In

# RF Transformer

50Ω

0.1 to 300 MHz

T1.5-1-X65+

T1.5-1-X65



## 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, 0.1 to 300 MHz
- excellent return loss
- also available with flat-pack (W38) & surface mount gull-wing (KK81) leads

## Applications

- VHF/UHF
- receivers/transmitters
- impedance matching

CASE STYLE: X65

PRICE: \$4.45 ea. QTY (1-9)

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

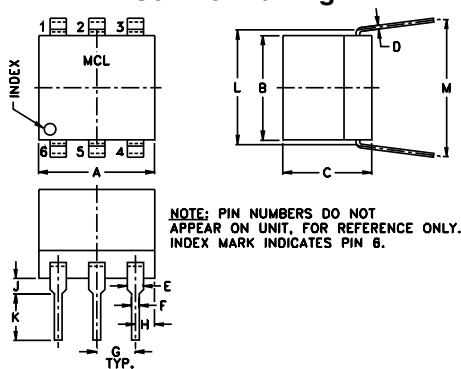
The +Suffix identifies RoHS Compliance. See our web site for RoHS Compliance methodologies and qualifications.

## Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
1.5	0.1-300	0.1-300	0.2-150	0.5-80

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

## Outline Drawing



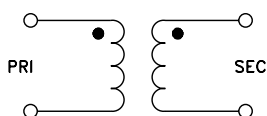
## Outline Dimensions (inch)

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	

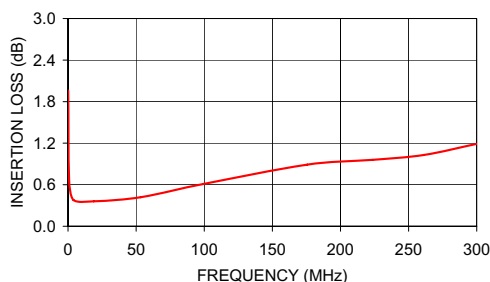
## Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)
0.10	1.96	6.70
0.85	0.64	19.19
4.00	0.38	23.71
18.93	0.36	24.68
53.35	0.42	22.20
99.34	0.61	18.74
175.64	0.89	14.16
223.68	0.96	11.88
261.29	1.03	10.26
300.00	1.19	8.75

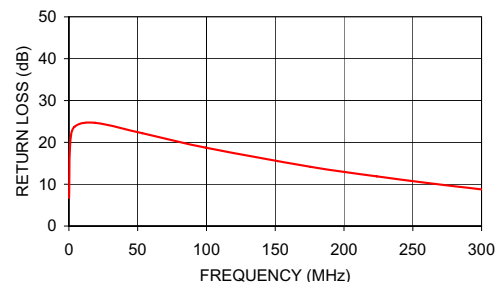
## Config. C



T1.5-1-X65  
INSERTION LOSS



T1.5-1-X65  
INPUT RETURN LOSS



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