

Plug-In RF Transformer

50Ω 0.5 to 800 MHz

T3-1-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

Features

- wideband, 0.5 to 800 MHz
- good return loss
- also available with flat-pack (W38) & surface mount gull-wing (KK81) leads

Applications

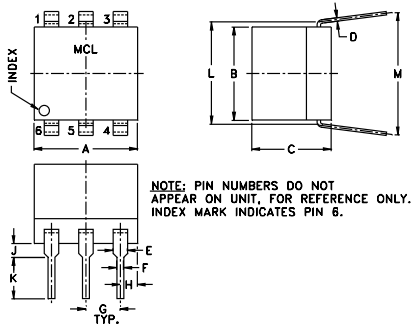
- impedance matching
- VHF/UHF

Transformer Electrical Specifications

Ω RATIO (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
3	0.5-800	0.5-800	2-400	—

* Insertion Loss is referenced to mid-band loss, 1.25 dB typ.

Outline Drawing



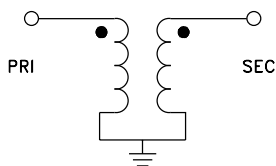
Outline Dimensions (inch/mm)

A	B	C	D	E	F	G
.30	.27	.23	.10	.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)
0.500	2.940	7.210
1.940	1.730	10.660
9.923	1.180	12.300
50.297	1.220	11.120
99.524	1.230	8.970
200.594	1.340	5.440
348.840	1.490	2.960
523.423	1.950	1.940
677.637	2.840	1.720
800.000	3.700	1.830

Config. D



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.
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