# RF Transformer

 $50\Omega$ 

5 to 120 MHz

# T2-1-2W-X65



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	2W
DC Current	30mA
Permanent damage may occur if any o	of these limits are exceede

# **Pin Connections**

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

# **Applications**

• HF/VHF

**Features** 

• receivers/transmitters

• excellent return loss

• also available with flat-pack (W38)

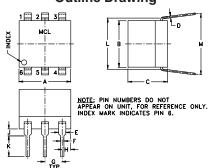
& surface mount gull-wing (KK81) leads

# **Transformer Electrical Specifications**

Ω <b>RATIO</b> (Secondary/Primary)	FREQUENCY (MHz)	INSERTION LOSS*		
		3 dB MHz	2 dB MHz	1 dB MHz
2	5-120	_	_	5-120

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

# **Outline Drawing**



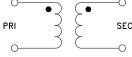
# Outline Dimensions (inch)

G	F	Ε	D	С	В	Α
.100	.020	.042	.010	.23	.27	.30
2.54	0.51	1.07	0.25	5.84	6.86	7.62
wt		M	L	K	J	Н
grams		.35	.300	.11	.04	.05
0.50		8.89	7.62	2.79	1.02	1.27

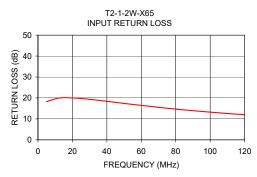
# **Typical Performance Data**

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	
5.00	0.37	18.23	
13.00	0.42	20.02	
24.00	0.41	19.80	
36.00	0.49	18.79	
50.00	0.46	17.40	
66.00	0.50	15.90	
81.00	0.55	14.60	
96.00	0.61	13.50	
111.00	0.68	12.53	
120.00	0.71	12.01	









- 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 ins.

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