

Surface Mount RF Transformer

75Ω 30 to 1100 MHz

TX-2-5-1+
TX-2-5-1



CASE STYLE: TT240
PRICE: \$2.95 ea. QTY (25-49)

+ 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.

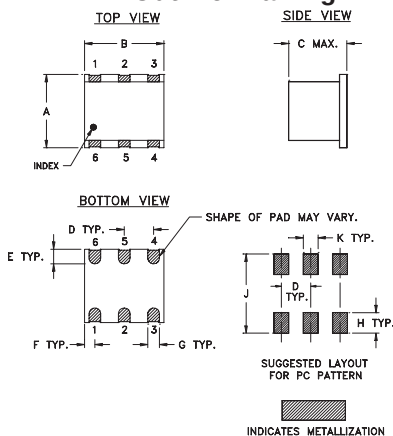
Maximum Ratings

Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

Pin Connections

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

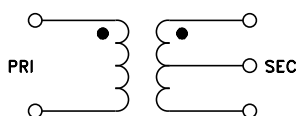
Outline Drawing



Outline Dimensions (inch)

A	B	C	D	E	F
.250	.31	.20	.100	.050	.055
6.35	7.87	5.08	2.54	1.27	1.40
G	H	J	K	wt	
.040	.070	.270	.050	grams	
1.02	1.78	6.86	1.27	0.50	

Config. A



Features

- leadless surface mount
- excellent return loss, 25 dB in 1 bandwidth
- excellent amplitude balance, 0.4 dB typ. and phase unbalance, 3 deg typ.
- R class transformer

Applications

- balanced amplifiers
- VHF/UHF

"R class of TX version"

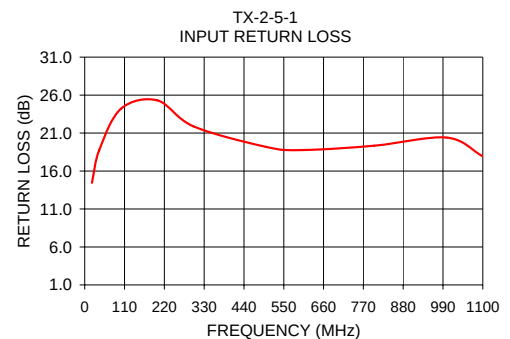
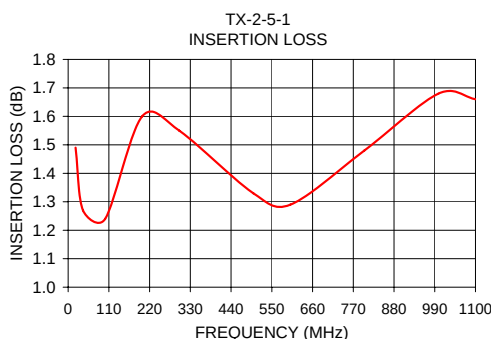
Transformer Electrical Specifications

Ω RATIO**	FREQUENCY (MHz)	INSERTION LOSS*			PHASE UNBALANCE*** (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		3 dB MHz	2 dB MHz	1 dB MHz	1 dB bandwidth	2 dB bandwidth	1 dB bandwidth	2 dB bandwidth
2	30-1100	—	30-1100	100-800	3	—	0.4	—

* Insertion Loss is referenced to mid-band loss, 1.3 dB typ.
** impedance ratio=secondary (150 ohms)/primary (75 ohms)
*** deviation from 180°C

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
20.00	1.49	14.44	0.06	0.46
40.00	1.27	18.74	0.05	0.57
100.00	1.24	24.19	0.09	1.01
200.00	1.60	25.31	0.07	3.30
300.00	1.55	21.89	0.06	3.49
500.00	1.33	19.19	0.03	2.60
600.00	1.29	18.76	0.01	1.79
800.00	1.48	19.33	0.01	0.55
1000.00	1.68	20.40	0.24	3.66
1100.00	1.66	17.94	0.46	5.47



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IF/RF MICROWAVE COMPONENTS

REV. A
M98898
TX-2-5-1
ED-4542B
IG/TD/CP/AM
070920