

RF Transformer

TRS2-ED10638A/2

Impedance Ratio : 2

Important Note

This model has been designed, built and tested in our engineering department. Performance data represents model capability. At present it is a non-catalog model. On request, we can supply a final specification sheet, part number and price/delivery information.



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CASE STYLE : 99-01-1213

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C				
Parameter		Min.	Typ.	Max. Units
Frequency		.07		450 MHz
Insertion Loss *	3 dB Bandwidth		.07-450	MHz
	2 dB Bandwidth		.5-300	MHz
	1 dB Bandwidth		1-70	MHz

Note:

* Insertion Loss is referenced to mid-band loss, .31 dB typ.

MAXIMUM RATINGS	
Operating Temperature	-20°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.25W
DC Current	30 mA

Config. A



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

Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)
0.03	3.08	7.51
0.04	2.44	8.69
0.05	2.02	9.59
0.06	1.71	10.41
0.07	1.50	11.17
0.08	1.34	11.89
0.09	1.22	12.56
0.10	1.12	13.19
0.20	0.76	17.54
0.30	0.64	20.00
0.50	0.54	22.98
0.70	0.48	24.83
0.90	0.45	26.19
1.00	0.43	26.76
3.00	0.33	32.50
5.00	0.31	34.46
7.00	0.31	35.04
9.00	0.31	34.99
10.00	0.31	34.83
20.00	0.33	32.27
30.00	0.35	29.78
35.00	0.36	28.74
40.00	0.37	27.80
50.00	0.38	26.19
70.00	0.41	23.68
90.00	0.45	21.78
100.00	0.46	20.99
150.00	0.55	17.83
200.00	0.66	15.59
250.00	0.78	13.88
300.00	0.95	12.50
350.00	1.11	11.43
400.00	1.41	10.56
425.00	1.56	10.23
450.00	1.68	9.98
475.00	1.95	9.80
500.00	2.29	9.71
525.00	2.59	9.73
550.00	3.00	9.84
575.00	3.65	10.10
600.00	4.38	10.57

Typical Performance Curves

