

Engineering Development Model

RF Transformer

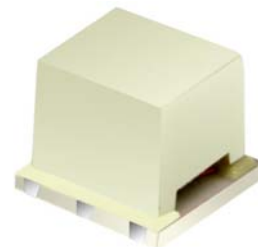
TRS4-ED11432/1

Impedance Ratio : 4

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.

Please click "Back", and then click "Contact Us" for Applications support.



CASE STYLE : 99-01-996

ELECTRICAL SPECIFICATIONS 50Ω @ +25°C					
Parameter		Min.	Typ.	Max.	Units
Frequency		2.5		750	MHz
Insertion Loss *	3 dB Bandwidth		2.5 - 750		MHz
	2 dB Bandwidth		8 - 600		MHz
	1 dB Bandwidth		50 - 400		MHz
Amplitude Unbalance	over 3dB Bandwidth		0.5		dB
	over 1dB Bandwidth		0.1		dB
Phase Unbalance	over 3dB Bandwidth		5.0		deg.
	over 1dB Bandwidth		1.00		deg.

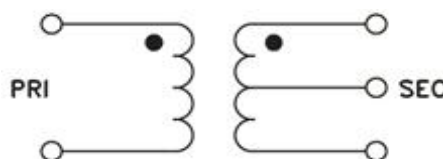
Note:

* Insertion Loss is referenced to mid-band loss, 0.67dB typ.

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

PIN CONNECTIONS	
PRIMARY DOT	4
PRIMARY	6
SECONDARY DOT	3
SECONDARY	1
SECONDARY CT	2
ISOLATE	5

Configuration : A



Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	RETURN LOSS (dB)
2.50	1.93	6.66
3.00	1.56	8.12
3.50	1.33	9.44
4.00	1.21	10.60
4.50	1.12	11.61
5.00	1.08	12.46
6.00	1.03	13.80
7.00	1.01	14.75
8.00	1.00	15.45
9.00	0.99	16.00
10.00	0.97	16.46
20.00	0.84	19.07
30.00	0.77	20.47
40.00	0.73	21.36
50.00	0.71	21.93
60.00	0.69	22.29
70.00	0.68	22.55
80.00	0.67	22.69
90.00	0.67	22.73
100.00	0.67	22.70
150.00	0.68	21.94
200.00	0.69	20.76
250.00	0.73	19.18
300.00	0.73	17.74
350.00	0.77	16.17
375.00	0.76	15.45
400.00	0.78	14.77
425.00	0.79	14.08
450.00	0.80	13.37
500.00	0.83	12.14
550.00	0.89	10.93
600.00	1.02	9.87
650.00	1.16	8.86
700.00	1.45	7.97
750.00	1.80	7.14

Typical Performance Curves

