

RF Transformer

Features

- wideband, 650 to 4000 MHz
- balanced transmission line
- good return loss
- excellent amplitude unbalance, 0.5 dB typ. and phase unbalance, 3 deg typ. in 1 dB bandwidth
- plastic base with leads
- aqueous washable

Applications

- balanced to unbalanced transformation
- PCS/DCS
- push-pull amplifiers
- MMDS

HT-TC1-1-43X+



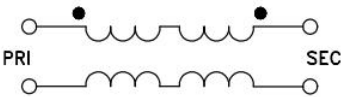
Electrical Specifications (T_{AMB}=25°C)

Ω RATIO	FREQUENCY (MHz)	INSERTION LOSS*		PHASE UNBALANCE (Deg.) Typ.		AMPLITUDE UNBALANCE (dB) Typ.	
		2dB	1dB	1dB	2dB	1dB	2dB
1	650-4000	650-4000	800-3000	3	4	0.5	0.5

* Insertion Loss is referenced to mid-band loss, 0.5 dB typ.

50Ω 650 to 4000 MHz

Config. G



Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
650	0.30	19.40	0.72	7.04
700	0.30	19.03	0.70	6.11
800	0.32	19.01	0.65	4.73
1000	0.35	18.85	0.50	3.45
1600	0.45	16.34	0.15	0.32
2000	0.53	15.36	0.05	0.42
2600	0.62	16.20	0.40	0.66
3000	0.57	20.76	0.56	1.07
3800	1.34	9.18	0.41	4.79
4000	1.71	7.51	0.09	5.95

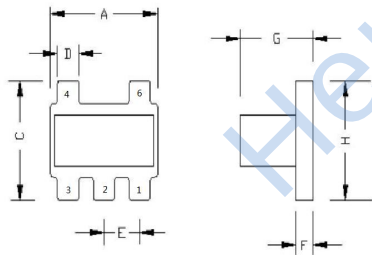
Maximum Ratings

Operating Temperature	-40°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.	

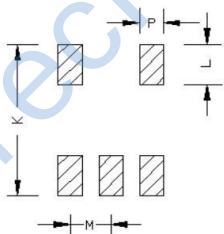
Pin Connections

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

Outline Drawing



PCB Land Pattern



Outline Dimensions (mm)

A	3.81	N	-
B	-	M	1.27
C	3.81	P	0.76
D	0.76	J	-
E	1.27	K	4.81
F	0.61	L	1.30
G	2.71	H	3.81
WT	0.16g		