

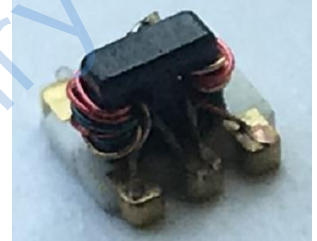
HT-TCM3-452X+

Features

- wide bandwidth 20 to 4500 MHz
- balanced transmission line
- good return loss
- aqueous washable

Applications

- PCS
- wideband push-pull amplifiers
- cellular

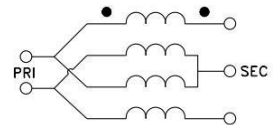


50Ω 20 to 4500MHz

Transformer Electrical Specifications at 25°C

Impedance Ratio	Frequency Range (MHz)	INSERTION LOSS* (dB) 20~4500MHz	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
3	20 ~ 4500	1.5~3.0	4	0.5

Config. H



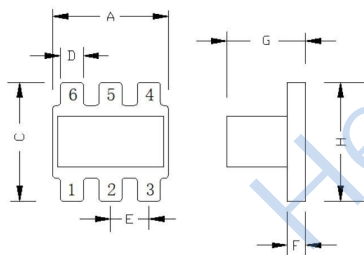
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
10	1.5	11.1	0.01	0.1
500	1.3	12.5	0.03	3.3
1000	1.3	12.5	0.09	5.9
1500	1.3	12.4	0.14	7.9
2000	1.3	13.2	0.17	9.1
2500	1.3	15.6	0.18	8.5
3000	1.3	17.6	0.21	8.2
3500	1.3	18.0	0.45	6.5
4000	1.5	17.6	0.67	3.8
4500	1.6	19.0	0.76	4.1

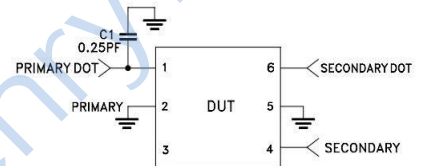
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.4W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

Outline Drawing



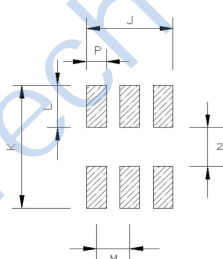
Electrical Schematic



Pin Connections

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

PCB Land Pattern



Outline Dimensions (mm)

A	3.81	N	1.53
B	-	M	1.27
C	3.81	P	0.76
D	0.76	H	3.81
E	1.27	J	3.3
F	0.61	K	4.83
G	2.61	L	1.65
WT	0.3G		