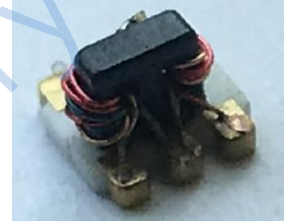
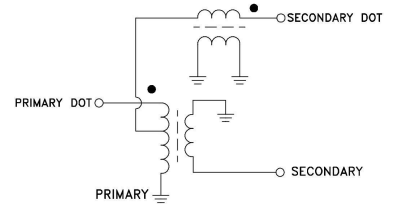


HT-TCM2-33X+



50Ω 30 to 3000MHz

Config. N



Features

- wide bandwidth 30 to 3000 MHz
- balanced transmission line
- excellent return loss
- aqueous washable

Applications

- PCS
- wideband push-pull amplifiers
- cellular

Transformer Electrical Specifications at 25°C

Impedance Ratio	Frequency Range (MHz)	INSERTION LOSS* (dB) 30~3000MHz	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
2	30 ~ 3000	1.5~3.0	4	0.5

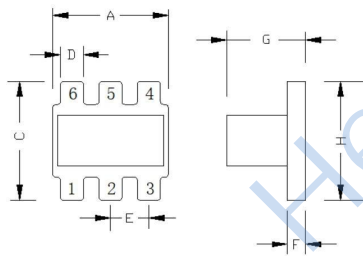
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
30	1.27	27.4	0.04	0.10
50	1.26	27.5	0.03	0.16
200	1.29	25.3	0.08	0.68
500	1.29	21.6	0.21	0.86
1000	1.35	19.4	0.71	0.96
1400	1.45	18.8	0.25	2.30
2000	1.67	18.5	0.68	3.79
2400	1.86	18.1	0.91	3.84
2800	2.02	18.6	1.07	4.52
3000	2.10	19.4	1.10	5.36

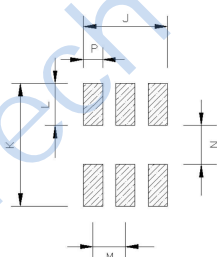
Maximum Ratings

Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.2W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

Outline Drawing



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		
E	1.27		
F	0.61		
G	2.61		
H	3.81		
J	3.3		
K	4.83		
L	1.65		
WT	2g		

Pin Connections

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