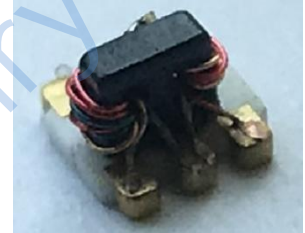


## HT-TCM2-33X+



### Features

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

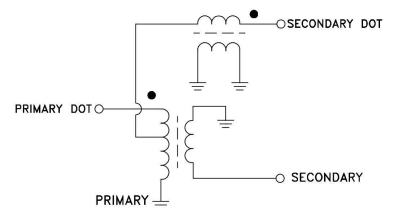
### Applications

- 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

### Config. N



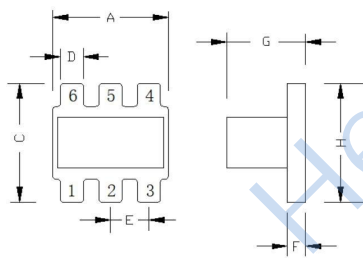
### Typical Performance Data

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



### 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

### PCB Land Pattern

