

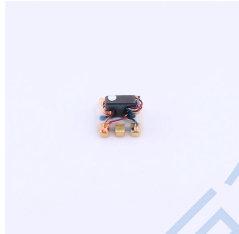
HT-TCM2-63WX+

Features

- Wideband, 30 to 6000 MHz
- Low insertion loss, 1.5 dB typ. up to 4 GHz
- Good amplitude unbalance, ± 0.4 dB typ.
- Good input return loss, 15 dB typ.
- Low phase unbalance, $\pm 4^\circ$ typ.
- 50 Ω 30 to 6000 MHz

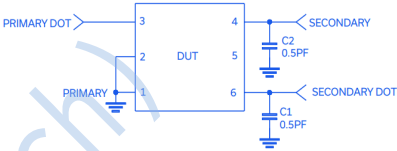
Applications

- PCS
- wideband push-pull amplifiers
- cellular



50 Ω 30 to 6000 MHz

ELECTRICAL SCHEMATIC



Transformer Electrical Specifications at 25°C

Impedance Ratio	Frequency Range (MHz)	INSERTION LOSS* (dB) 10~6000MHz	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
2	30 ~ 6000	0.9 ~ 4.1	5	0.5

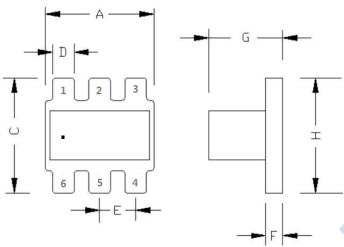
Typical Performance Data

FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
30	2.56	15.56	0.14	1.23
500	1.58	14.22	0.50	2.86
1000	1.21	15.10	0.57	2.89
1500	0.97	18.46	0.41	2.70
2000	0.87	23.81	0.16	2.68
2500	0.96	18.16	0.09	2.59
3000	1.13	13.61	0.30	2.04
4000	1.24	12.99	0.64	0.83
5000	1.22	22.65	0.85	4.94
6000	2.68	10.37	0.59	10.30

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



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			

Pin Connections

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

PCB Land Pattern

