

**Features**

- ultra wide bandwidth 10 to 6000 MHz
- one model covers all telecommunication bands
- flat insertion loss
- good return loss
- aqueous washable
- 50Ω 10 to 6000 MHz

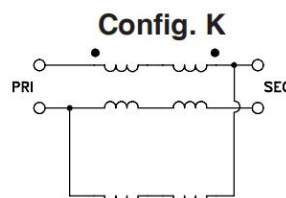
**Applications**

- differential modulator/demodulator and active mixers
- wideband push-pull amplifiers
- LTE, Cellular, PCS, UMTS, WiFi, WiMAX

**HT-TCM1-63AX+**

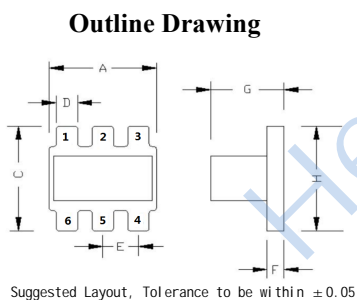


Transformer Electrical Specifications at 25°C				
Impedance Ratio	Frequency Range (MHz)	INSERTION LOSS* (dB) 10~6000MHz	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1	10 ~ 6000	1.3~2.5	8	0.5



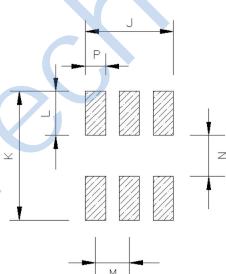
Typical Performance Data				
FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
10	1.70	14.78	0.06	1.15
100	1.65	16.28	0.07	1.32
500	1.57	16.28	0.26	5.05
1000	1.40	16.90	0.46	8.03
1500	1.29	15.98	0.52	9.87
2000	1.29	13.74	0.57	10.96
3000	1.49	9.42	0.36	10.99
4000	1.20	11.09	0.28	8.84
5000	1.16	13.40	0.96	5.19
6000	1.80	10.73	1.39	0.57

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.	



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

**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			