

Features

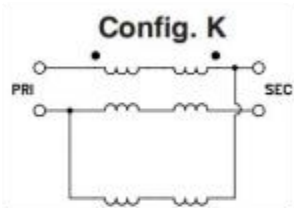
- ultra wide bandwidth 10 to 8000 MHz
- one model covers all telecommunication bands
- flat insertion loss
- good return loss
- aqueous washable
- 50Ω

Applications

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



Transformer Electrical Specifications at 25°C				
Impedance Ratio	Frequency Range (MHz)	INSERTION LOSS* (dB) 10~8000MHz	PHASE UNBALANCE (Deg.) Typ.	AMPLITUDE UNBALANCE (dB) Typ.
1	10 ~ 8000	1.3~3	10~6000MHz 8 6000~8000MHz 4	0.5~ 1.1

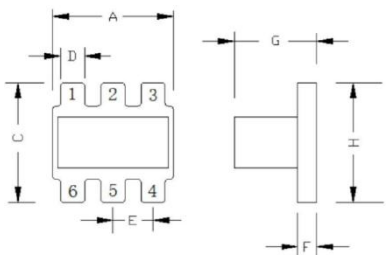


Typical Performance Data				
FREQUENCY (MHz)	INSERTION LOSS (dB)	INPUT R. LOSS (dB)	AMPLITUDE UNBALANCE (dB)	PHASE UNBALANCE (Deg.)
10	1.70	15.68	0.06	0.26
100	1.65	16.28	0.07	1.19
1000	1.57	16.28	0.26	7.54
2000	1.29	16.90	0.46	11.37
3000	1.29	13.75	0.52	13.20
4000	1.49	10.32	0.57	11.96
5000	0.96	10.42	0.36	11.99
6000	0.98	13.09	0.28	7.84
7000	1.16	14.40	1.14	0.81
8000	1.80	14.73	1.39	4.57

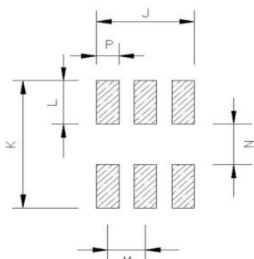
Maximum Ratings	
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
RF Power	0.2W
DC Current	30mA
Permanent damage may occur if any of these limits are exceeded.	

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

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	H	3.81
E	1.27	J	3.3
F	0.61	K	4.83
G	2.61	L	1.65
WT	0.16G		