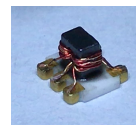


Features

- wideband, 5 to 2000 MHz
- low mainline loss, 1.2 dB typ. (5-1000MHz)
- aqueous washable
- leads for excellent solderability
- high power handling, 1 Watt max..

Applications

- GPS、cellular、satellite distribution、cable tv

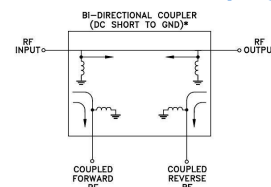


Transformer Electrical Specifications

Freq. range (MHz)	Mainline Loss l (above theoretical 0.1 dB)		VSWR		Nominal Coupling	Input Power(w)
	min	max	min	max		
5~2000	1.2	2.5	1.3	1.6	8.9±0.5	1.0

50Ω

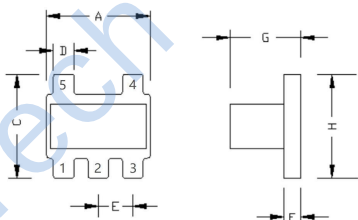
8.9 dB Coupling



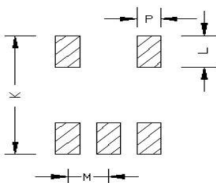
Typical Performance Data (TEST CONDITIONS: INPUT POWER = 0dBm @Temperature = +25°C)

Freq.(MHz)	Mainline Loss (dB) In-Out	Coupling (dB) In-Cpl	Directivity (dB)	Return Loss (dB)		
				IN	OUT	CPL
5.0	1.11	8.96	21	19	27	18
200.0	1.14	8.97	20	20	30	20
600.0	1.26	8.67	15	21	22	20
800.0	1.38	8.61	13	20	22	18
1000.0	1.54	8.46	11	18	22	17
1200.0	1.74	8.57	10	16	21	15
1400.0	2.04	8.57	9	14	22	14
1600.0	2.32	8.61	8	12	21	12
2000.0	3.07	8.76	7	9	22	10

Outline Drawing



PCB Land Pattern



Suggested L layout, Tolerance to be within ±0.05mm

Outline Dimensions (mm)

A	3.81	N	-
B	-	M	1.27
C	3.81	P	0.76
D	0.76	J	-
E	1.27	K	4.81
F	0.61	L	1.30
G	2.61		
H	3.81		
WT	0.1		

Pin Connections

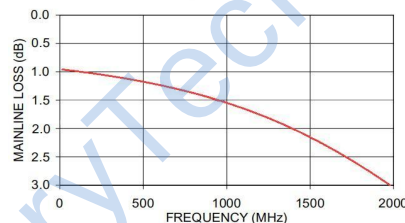
Input	1
Output	5
Coupled	3
50Ω TERM EXTERNAL	4
Ground	2

Maximum Ratings

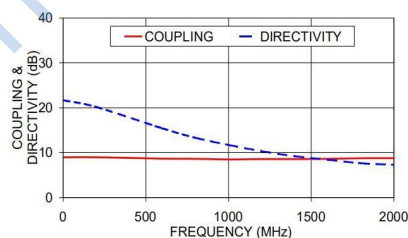
Operating Temperature	-40°C to 85°C
Storage Temperature	-55°C to 100°C
Power Input (as a splitter)	1W max.

Case temperature is defined as temperature on ground leads.
Permanent damage may occur if any of these limits are exceeded.

MAINLINE LOSS



COUPLING & DIRECTIVITY



RETURN LOSS

