

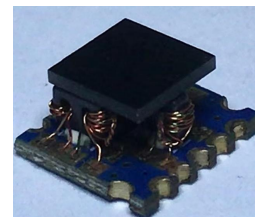
RFPS-SCA-4-132

Features

- wideband, 5-1300 MHz
- high isolation, 22dB typ.
- good matching VSWR, 1.20 typ.
- excellent amplitude unbalance, 0.3 dB typ.

Applications

- cellular
- UHF/VHF receivers/transmitters



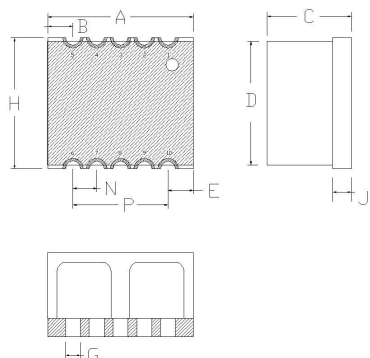
4 Way-0° 50Ω 5 to 1300 MHz

Parameter	Frequency (MHz)	Min.	Typ.	Max.	Unit
Frequency Range		5		1300	MHz
Insertion Loss, above 6.0 dB	5-500		0.8	1.5	dB
	500-1000		1.2	2.4	
	1000-1300		2.0	3.2	
Isolation	5-1000	15	21		dB
	1000-1300	13	18		
Phase Unbalance	5-500		2.0	5	Degree
	500-1000		4.0	11	
	1000-1300		8.0	16	
Amplitude Unbalance	5-1000		0.5	0.9	dB
	1000-1300		0.7	1.2	
VSWR (Port S)	5-500		1.22	1.32	:1
	500-1300		1.28	1.8	
VSWR (Port 1-4)	5-500		1.57	1.8	:1
	500-1300		1.40	1.8	

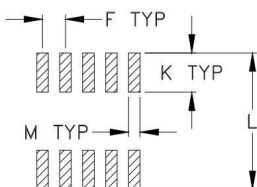
electrical schematic



Outline Drawing



PCB Land Pattern



Suggested Layout, Tolerance to be within ±0.05

Pin Connections	
SUM PORT	3 (input)
PORT 1	6 (output 1)
PORT 2	7 (output 2)
PORT 3	9 (output 3)
PORT 4	10 (output 4)
GND	1,2,4,5,8

Maximum Ratings

Operating Temperature	-40 °C to 85 °C
Storage Temperature	-55 °C to 100 °C
Power Input (as a splitter)	0.5 W max.
Internal Dissipation	0.375 W max.

Permanent damage may occur if any of these limits are exceeded.

Outline Dimensions:Unit (mm)			
A	7.80	G	0.80
B	1.35	H	7.18
C	4.50	N, F	1.27
D	7.80	J	1.00
E	1.35	P	5.08

