PSM4

4 ways 0° power combiner/divider

Features

- Low insertion loss, High isolation
- Perfect phase/amplitude balance
- Low VSWR
- 50Ω impedance
- Removable SMA connector
- Operating temperature range:-55℃～+85℃

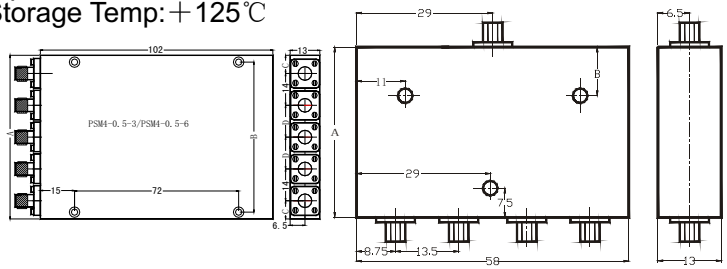
Specifications(measured in a 50Ω system T_A=-55℃～+85℃)

Parameter / number	Frequency Range GHz	Insertion loss (Max)	Isolation (Min)	Phase unbalance (Max)	Amplitude unbalance (Max)	VSWR (Max)	Package (mm)			
							A	B	C	D
PSM4-0.5-3	0.5～3	1.0	19△	4°△	0.5	1.5:1	78	76	9	16
PSM4-0.5-6	0.5～6	2.0	18△	6°△	0.8	1.6:1	72	66	8	14
PSM4-1-2	1～2	0.8	21△	4°△	0.4	1.4:1	56	12	—	
PSM4-2-4	2～4	0.8	20△	4°△	0.4	1.4:1	34			
PSM4-2-8	2～8	1.2	18△	6°△	0.5	1.5:1	56			
PSM4-3-6	3～6	0.8	20△	4°△	0.5	1.5:1	34			
PSM4-4-8	4～8	1.0	20△	6°△	0.5	1.5:1	34			
PSM4-5-10	5～10	1.0	20△	6°△	0.5	1.5:1	34			
PSM4-7-12.5	7～12.5	1.0	18△	8°△	0.5	1.5:1	34			

"△" Measured at Tc=24±1℃

Absolute Maximum Ratings

Input Power: 5W
Storage Temp:+125℃

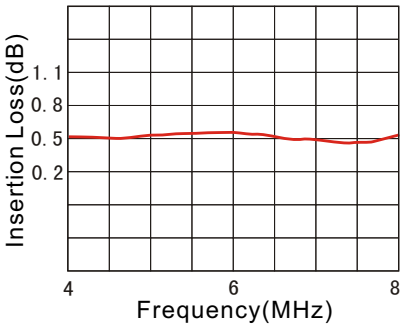


Application Notes

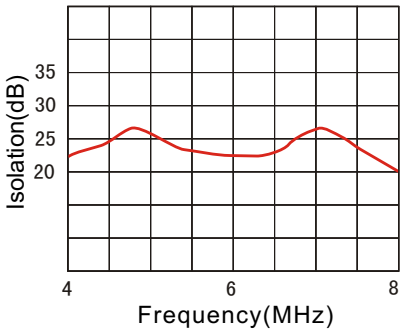
1. Input/output pins should be connected to 50Ω microstrip.
2. Removable SMA connector is available
3. When the input power is maximum the output load VSWR <1.2 is required.

Typical Performance

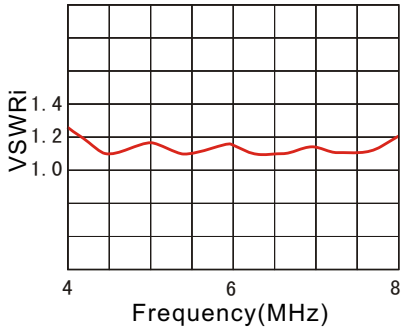
Insertion Loss vs. Frequency



Isolation vs. Frequency



VSWRi vs. Frequency



VSWRo vs. Frequency