

Features

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

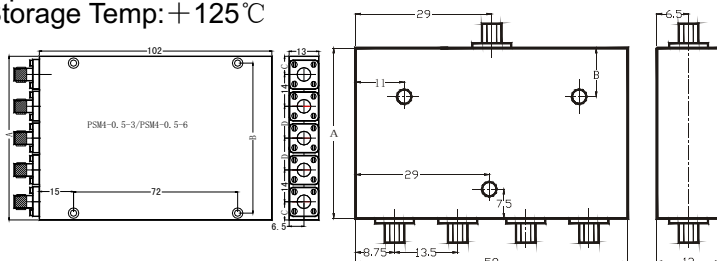
Specifications (measured in a 50 Ω system $T_A = -55^\circ\text{C} \sim +85^\circ\text{C}$)

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 Δ	4 $^\circ\Delta$	0.5	1.5:1	78	76	9	16
PSM4-0.5-6	0.5~6	2.0	18 Δ	6 $^\circ\Delta$	0.8	1.6:1	72	66	8	14
PSM4-1-2	1~2	0.8	21 Δ	4 $^\circ\Delta$	0.4	1.4:1	56	12	—	—
PSM4-2-4	2~4	0.8	20 Δ	4 $^\circ\Delta$	0.4	1.4:1	34			
PSM4-2-8	2~8	1.2	18 Δ	6 $^\circ\Delta$	0.5	1.5:1	56			
PSM4-3-6	3~6	0.8	20 Δ	4 $^\circ\Delta$	0.5	1.5:1	34			
PSM4-4-8	4~8	1.0	20 Δ	6 $^\circ\Delta$	0.5	1.5:1	34			
PSM4-5-10	5~10	1.0	20 Δ	6 $^\circ\Delta$	0.5	1.5:1	34			
PSM4-7-12.5	7~12.5	1.0	18 Δ	8 $^\circ\Delta$	0.5	1.5:1	34			

" Δ " Measured at $T_c = 24 \pm 1^\circ\text{C}$

Absolute Maximum Ratings

Input Power: 5W
Storage Temp: +125°C



Application Notes

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

Typical Performance

