

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 $T_A = -55^\circ\text{C} \sim +85^\circ\text{C}$)

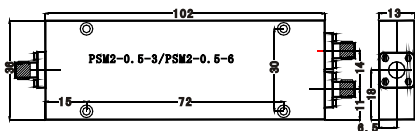
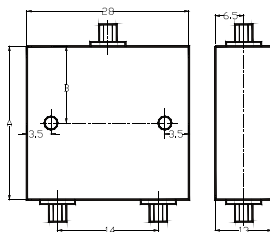
Parameter number	Frequency Range GHz	Insertion loss (Max)	Isolation (Min)	Phase unbalance (Max)	Amplitude unbalance (Max)	VSWR (Max)	Package (mm)	
							A	B
PSM2-0.5-3	0.5~3	0.80	19 Δ	3° Δ	0.4	1.5:1	—	—
PSM2-0.5-6	0.5~6	1.20	18 Δ	5° Δ	0.5	1.6:1	—	—
PSM2-1-2	1~2	0.50	20 Δ	2° Δ	0.3	1.4:1	36.0	18
PSM2-2-4	2~4	0.60	20 Δ	2° Δ	0.3	1.4:1	36.0	
PSM2-2-8	2~8	0.70	18 Δ	4° Δ	0.4	1.4:1	36.0	
PSM2-3-6	3~6	0.65	20 Δ	3° Δ	0.3	1.5:1	25.4	12.7
PSM2-4-8	4~8	0.60	22 Δ	3° Δ	0.3	1.4:1	25.4	
PSM2-4-10	4~10	0.80	20 Δ	5° Δ	0.4	1.5:1	25.4	
PSM2-7-12.5	7~12.5	0.70	20 Δ	5° Δ	0.4	1.5:1	25.4	

" 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

