

### 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

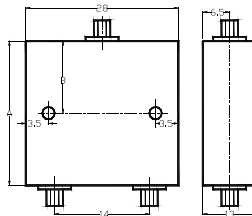
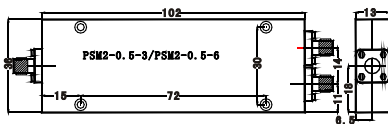
### Specifications (measured in a 50 Ω system T<sub>A</sub> = -55°C ~ +85°C)

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△	3°△	0.4	1.5:1	—	—
PSM2-0.5-6	0.5~6	1.20	18△	5°△	0.5	1.6:1	—	—
PSM 2-1-2	1~2	0.50	20 △	2°△	0.3	1.4:1	36.0	18
PSM 2-2-4	2~4	0.60	20 △	2°△	0.3	1.4:1	36.0	
PSM2-2-8	2~8	0.70	18△	4°△	0.4	1.4:1	36.0	
PSM 2-3-6	3~6	0.65	20 △	3°△	0.3	1.5:1	25.4	12.7
PSM2-4-8	4~8	0.60	22 △	3°△	0.3	1.4:1	25.4	
PSM2-4-10	4~10	0.80	20 △	5°△	0.4	1.5:1	25.4	
PSM2-7-12.5	7~12.5	0.70	20 △	5°△	0.4	1.5:1	25.4	

“△” Measured at T<sub>c</sub> = 24 ± 1°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

