PSM2-0226G

2 ways 0° Broadband power combiner/divider



Features

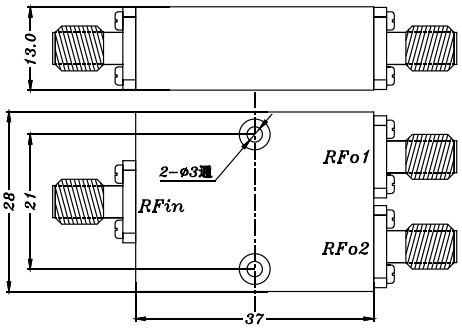
- Broad bandwidth 2.0～26.5GHz
- Perfect phase/amplitude balance
- 50Ω impedance
- Low insertion loss, High isolation
- Operating temperature range:-55℃～+85℃

Specifications(measured in a 50Ω system T_A=+25℃)

Parameter	Symbol	Unit	Guaranteed		Typical	
Frequency Range	f_L～f_H	GHz	2～22	22～26.5	2～22	22～26.5
Insertion loss	I.L	dB	1.3(Max)	1.4(Max)	0.8	1.0
Isolation	Iso	dB	18(Min)	14(Min)	20	17
Phase Balance	△P	deg	±3°	±4°	±1.5°	±2°
Amplitude Balance	△M	dB	0.6(Max)	0.6(Max)	0.4	0.4
VSWR	VSWR	----	1.8:1(Max)	1.8:1(Max)	1.4:1	1.4:1

Absolute Maximum Ratings

Input Power: 5W
Storage Temp:＋125℃

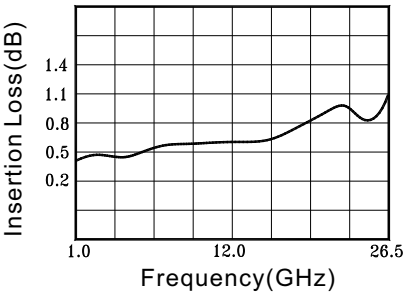


Application Notes

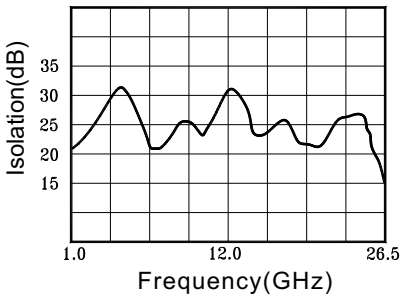
1. Input/output pins should be connected to 50Ω microstrip.
2. When the input power is maximum the output load VSWR ＜1.2 is required.

Typical Performance

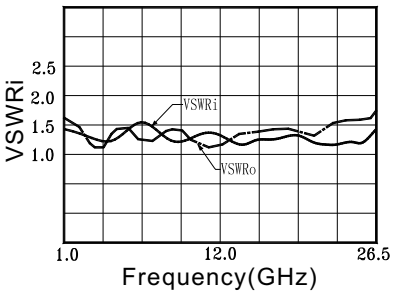
Insertion Loss vs. Frequency



Isolation vs. Frequency



VSWRi vs. Frequency



Phase balance vs. Frequency

