

Features

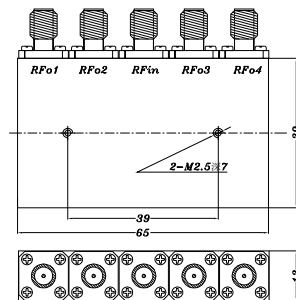
- Broad bandwidth 2.0~20GHz
- Perfect phase/amplitude balance
- 50 Ω impedance
- Low insertion loss, High isolation
- Operating temperature range:-55°C ~ +85°C

Specifications (measured in a 50 Ω system TA=-25°C)

Parameter	Symbol	Unit	Guaranteed		Typical	
Frequency Range	$f_L \sim f_H$	GHz	2~12	12~20	2~12	12~20
Insertion loss	I.L	dB	1.0(Max)	1.5(Max)	0.7	1.2
Isolation	Iso	dB	15(Min)	15(Min)	20	20
Phase Balance	ΔP	deg	4°	6°	2°	3°
Amplitude Balance	ΔM	dB	0.5(Max)	0.7(Max)	0.2	0.4
VSWR	VSWR	----	1.8:1(Max)	1.8:1(Max)	1.5:1	1.5:1

Absolute Maximum Ratings

Input Power: 5W
Storage Temp: +125°C



Application Notes

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

Typical Performance

