



Features

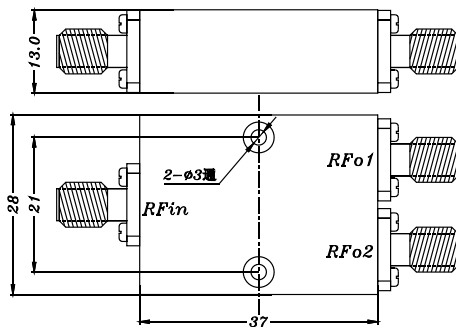
- Broad bandwidth 2.0~26.5GHz
- Perfect phase/amplitude balance
- 50 Ω impedance
- Low insertion loss, High isolation
- Operating temperature range:-55°C ~ +85°C

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

Parameter	Symbol	Unit	Guaranteed		Typical	
Frequency Range	$f_L \sim f_H$	GHz	2~22	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	ΔP	deg	$\pm 3^\circ$	$\pm 4^\circ$	$\pm 1.5^\circ$	$\pm 2^\circ$
Amplitude Balance	ΔM	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°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

