



### Features

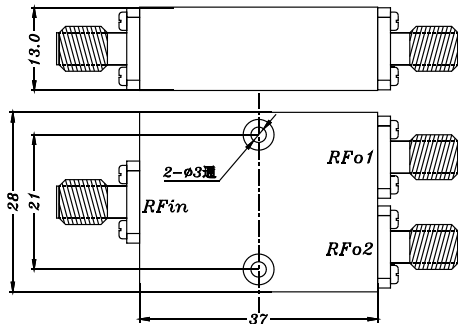
- Broad bandwidth 2.0~20GHz
- Perfect phase/amplitude balance
- 50 Ω impedance
- Low insertion loss, High isolation
- Operating temperature range: -55°C ~ +85°C

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

Parameter	Symbol	Unit	Guaranteed		Typical	
Frequency Range	$f_L \sim f_H$	GHz	3~18	2~20	3~18	2~20
Insertion loss	I.L	dB	1.0(Max)	1.3(Max)	0.7	1.0
Isolation	Iso	dB	18(Min)	18(Min)	25	23
Phase Balance	$\Delta P$	deg	$\pm 2.5^\circ$	$\pm 3^\circ$	$\pm 1^\circ$	$\pm 1.5^\circ$
Amplitude Balance	$\Delta M$	dB	0.4(Max)	0.5(Max)	0.2	0.3
VSWR	VSWR	----	1.5:1(Max)	1.8:1(Max)	1.3:1	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

