



Features

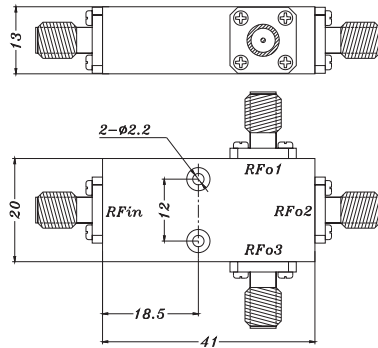
- Broad bandwidth 2.0~20GHz
- Perfect phase/amplitude balance
- 50 Ω impedance
- Low insertion loss, High isolation
- Operating temperature range: -55°C ~ +85°C

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

Parameter	Symbol	Unit	Guaranteed		Typical	
Frequency Range	f _L ~f _H	GHz	2~8	8~20	2~8	8~20
Insertion Loss	I.L	dB	1.0(Max)	1.3(Max)	0.5	0.8
Isolation	Iso	dB	20(Min)	15(Min)	22	20
Phase Balance	ΔP	deg	± 3 °	± 4 °	± 1 °	± 2 °
Amplitude Balance	ΔM	dB	0.6(Max)	1.0(Max)	0.4	0.4
VSWR	VSWR	--	2.0:1(Max)	2.0:1(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

