

Features

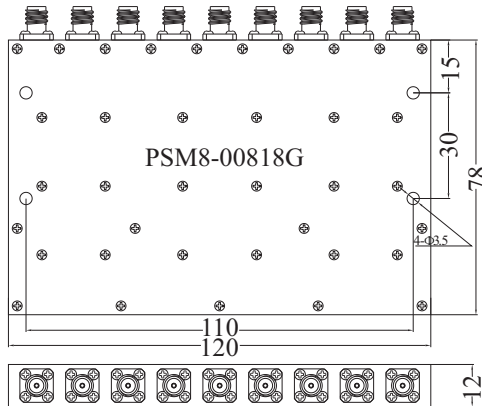
- Broad bandwidth 0.8~18GHz
- Perfect phase/amplitude balance
- 50 Ω impedance
- Low insertion loss, High isolation
- Operating temperature range: -55°C ~ +85°C

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

Parameter	Symbol	Unit	Guaranteed		Typical	
Frequency Range	f _L ~f _H	GHz	2.0~15.0	0.8~18.0	2.0~15.0	0.8~18.0
Insertion Loss	I.L	dB	1.5(Max)	13(Max)	1.0	2.0
Isolation	Iso	dB	17.0(Min)	14.0(Min)	18.0	16.0
Phase Balance	ΔP	deg	±3°	±4°	±2.5°	±3°
Amplitude Balance	ΔM	dB	±0.4(Max)	±0.5(Max)	±0.25	±0.35
VSWR	VSWR	--	2.0:1(Max)	2.2:1(Max)	1.7:1	2.0:1

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

