

Features

- Low insertion loss, High isolation
- Perfect phase/amplitude balance
- Low VSWR
- 50 Ω impedance
- Hermetic SP-1 package
- Operating temperature range: -55°C ~ +85°C

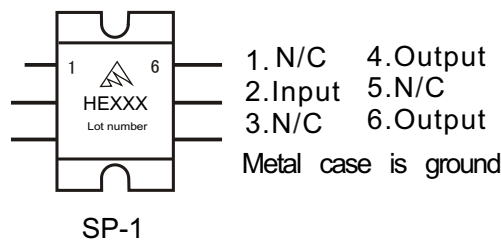
Specifications (measured in a 50 Ω system TA=-55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical	
Frequency Range	$f_L \sim f_H$	MHz	1600~3000	1600~2500	2500~3000
Insertion loss	I.L	dB	1.5(Max)	0.6	0.8
Isolation	Iso	dB	20(Min) Δ	23	25
Phase Balance	ΔP	deg	8° (Max) Δ	3°	4°
Amplitude Balance	ΔM	dB	1.0(Max)	0.2	0.3
VSWR	VSWR	----	1.7:1(Max)	1.3:1	1.5:1

" Δ " Measured at Tc=24±1°C

Absolute Maximum Ratings

Input power : 1W
Storage temp: +125°C



Application Notes

1. Input/output pins should be connected to 50 Ω microstrip.
2. The bottom should be place as close to ground as possible for better RF grounding.
3. See assembly section for mounting information

Typical Performance

