

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

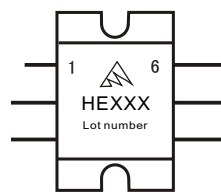
Specifications (measured in a 50 Ω system TA=-55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	700~1800	700~1800
Insertion loss	I.L	dB	1.6(Max)	0.9
Isolation	Iso	dB	20(Min) Δ	22
Phase Balance	ΔP	deg	5° (Max) Δ	3°
Amplitude Balance	ΔM	dB	1.0(Max)	0.4
VSWR	VSWR	----	1.5:1(Max)	1.3:1

“Δ” Measured at Tc=24±1°C

Absolute Maximum Ratings

Input power : 1W
Storage temp: +125°C



- 1.N/C 4.Output
 - 2.Input 5.Output
 - 3.N/C 6.Output
- Metal case is ground

SP-1

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

