

**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

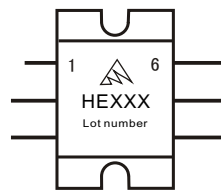
**Specifications** (measured in a 50 Ω system TA=-55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	1800~3000	1800~3000
Insertion loss	I.L	dB	1.6(Max)	0.9
Isolation	Iso	dB	20(Min) Δ	22
Phase Balance	ΔP	deg	10° (Max)Δ	6°
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



SP-1

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

**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**

