



Features

- Low insertion loss, High isolation
- Perfect phase/amplitude balance
- Low VSWR
- 50 Ω impedance
- Hermetic TO-8H package
- Operating temperature range: -55°C ~ +85°C

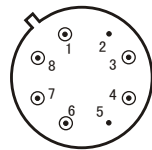
Specifications (measured in a 50 Ω system TA=-55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	10~500	10~500
Insertion loss	I.L	dB	1.4(Max)	0.9
Isolation	Iso	dB	20(Min) Δ	23
Phase Balance	ΔP	deg	4° (Max) Δ	3°
Amplitude Balance	ΔM	dB	0.7(Max)	0.3
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. Output
- 2. GND
- 3. Input
- 4. N/C
- 5. GND
- 6. Output
- 7. Output
- 8. Output

TO-8H

Application Notes

1. Input/output pins should be connected to 50 Ω microstrip.
2. SP-2 package available
3. See assembly section for mounting information

Typical Performance

