



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

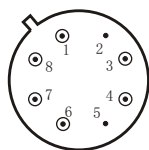
Specifications (measured in a 50 Ω system TA=-55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical	
Frequency Range	$f_L \sim f_H$	MHz	0.5~200	0.5~50	0.5~200
Insertion loss	I.L	dB	1.0(Max)	0.3	0.6
Isolation	Iso	dB	23(Min) Δ	35	25
Phase Balance	ΔP	deg	2° (Max) Δ	0.5°	1°
Amplitude Balance	ΔM	dB	0.5(Max)	0.1	0.3
VSWR	VSWR	----	1.4:1(Max)	1.2:1	1.2:1

“Δ” Measured at Tc=24±1°C

Absolute Maximum Ratings

Input power : 1W
Storage temp: +125°C



TO-8H

- 1.N/C 5.GND
- 2.GND 6.Output
- 3.Input 7.Output
- 4.N/C 8.Output

Application Notes

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

Typical Performance

