

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

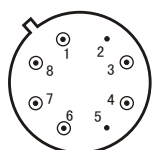
Specifications (measured in a 50 Ω system $T_A = -55^\circ\text{C} \sim +85^\circ\text{C}$)

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	25(Min) Δ	30	28
Phase Balance	ΔP	deg	3° (Max) Δ	0.5°	1°
Amplitude Balance	ΔM	dB	0.6(Max)	0.1	0.2
VSWR	VSWR	----	1.5:1(Max)	1.2:1	1.2:1

" Δ " Measured at $T_c = 24 \pm 1^\circ\text{C}$

Absolute Maximum Ratings

Input power : 1W
Storage temp: +125°C



TO-8H

- | | |
|-----------|-----------|
| 1. Output | 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-2 package available
3. See assembly section for mounting information

Typical Performance

