



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

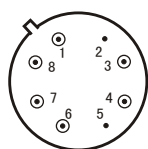
Specifications (measured in a 50 Ω system $T_A = -55^\circ\text{C} \sim +85^\circ\text{C}$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	40~250	40~300
Coupling	Coupling	dB	----	-3
Insertion loss	I.L	dB	2.0(Max)	1.2
Isolation	Iso	dB	15 (Min) Δ	16
Phase Balance	ΔP	deg	7° (Max) Δ	4°
Amplitude Balance	ΔM	dB	1.5(Max)	0.8
VSWR	VSWR	----	1.8:1(Max)	1.5:1

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

Absolute Maximum Ratings

Input power: 1W
Storage temp: +125°C



TO-8H

- | | |
|-------------------------------|---------------|
| 1.N/C | 5.GND |
| 2.GND | 6.N/C |
| 3.Input | 7. Output(0°) |
| 4.Isolation port | |
| connected to 50 Ω load | |
| 8.Output(+90°) | |

Application Notes

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

Typical Performance

