



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

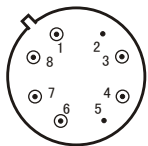
Specifications (measured in a 50 Ω system TA=-55°C ~ +85°C)

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

“△” 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.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

