

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

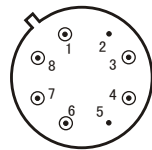
Specifications (measured in a 50 Ω system TA=-55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical	
				0.5~50	0.5~200
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 Tc=24 ± 1°C

Absolute Maximum Ratings

Input power : 1W
Storage temp: +125°C



TO-8H

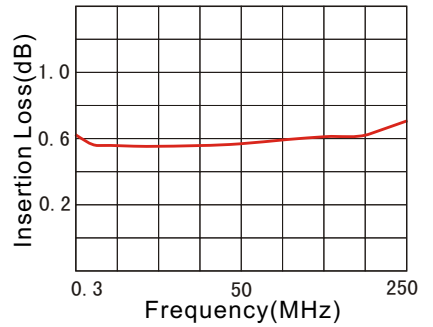
- 1. Output
- 2. GND
- 3. Input
- 4. N/C
- 5. GND
- 6. Output
- 7. Output
- 8. Output

Application Notes

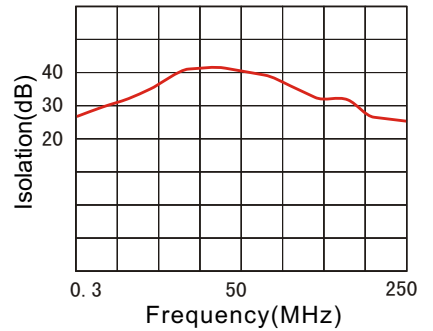
1. Input/output pins should be connected to 50 Ω microstrip.
2. SP-2 package available
3. See assembly section for mounting information

Typical Performance

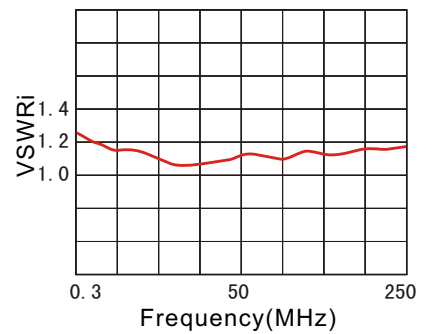
Insertion Loss vs. Frequency



Isolation vs. Frequency



VSWRi vs. Frequency



VSWRo vs. Frequency

