

Features

- Low insertion loss, High isolation
- Perfect phase/Amplitude balance
- Low VSWR
- 50 Ω impedance
- Hermetic DIP-14A package
- Operating temperature range: -55°C ~ +85°C

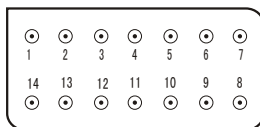
Specifications (measured in a 50 Ω system T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	1000-2000	1000-2000
Coupling	Coupling	dB	----	-3
Insertion loss	I.L	dB	1.8(Max)	0.8
Isolation	Iso	dB	18 (Min) △	22
Phase Balance	△ P	deg	5° (Max) △	2°
Amplitude Balance	△ M	dB	1.5(Max)	0.6
VSWR	VSWR	----	1.5:1(Max)	1.3:1

“△” Measured at T_c = 24 ± 1°C

Absolute Maximum Ratings

Input Power: 1W
Storage Temp: +125°C



DIP-14A

- 1. Input
- 14. Output (+90°)
- 7. Isolation port
connected to 50 Ω load
- 8. Output (0°)
- 3, 4, 5, 10, 11, 12: GND

Application Notes

Input/output pins should be connected to 50 Ω microstrip.

Typical Performance

