

**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

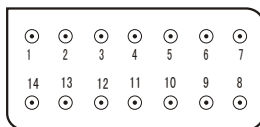
**Specifications** (measured in a 50 Ω system TA=-55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	500-1000	500-1000
Coupling	Coupling	dB	----	-3
Insertion loss	I.L	dB	1.5(Max)	0.8
Isolation	Iso	dB	18 (Min) Δ	22
Phase Balance	Δ P	deg	4° (Max) Δ	2°
Amplitude Balance	Δ M	dB	1.5(Max)	0.6
VSWR	VSWR	----	1.5:1(Max)	1.3:1

“ Δ ” Measured at Tc=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**

