

Features

- Low insertion loss, High isolation
- Perfect phase/amplitude balance
- Low VSWR
- 50 Ω impedance
- Hermetic TO-8A, SMO-8C packages
- Operating temperature range: -55°C ~ +85°C

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

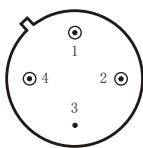
Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	MHz	10~750	10~800
Insertion loss	I.L	dB	1.4(Max)	0.9
Isolation	Iso	dB	20(Min) Δ	23
Phase Balance	ΔP	deg	4° (Max) Δ	2°
Amplitude Balance	ΔM	dB	0.7(Max)	0.2
VSWR	VSWR	---	1.5:1(Max)	1.3:1

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

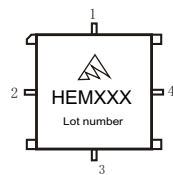
Absolute Maximum Ratings

Input power : 1W

Storage temp: +125°C



TO-8A



SMO-8C

- 1.Input
- 2.Output
- 3.GND
- 4.Output

Application Notes

- 1.Input/output pins should be connected to 50 Ω microstrip.
- 2.HE021-2:TO-8A Package.
HEM021-2: SMO-8 C package
- 3.SP-3 package available
- 4.See assembly section for mounting information

Typical Performance

