

Features

- Frequency Range: 10~400MHz
- Low Noise :1.6dB(Typical)
- 10dBm Typical 1dB Compression
- Standard Hermetic Package
- Operating Temperature Range:-55°C ~ +85°C

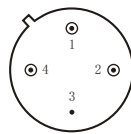
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	20~400	10~400
Gain	G _p	dB	≥8.0	---
Gain Flatness	ΔG _p	dB	≤±0.5Δ	---
Noise Figure	F _n	dB	≤1.6Δ	1.5
Input VSWR	VSWR _i	---	≤2.0:1Δ	1.8:1
Output VSWR	VSWR _o	---	≤2.0:1Δ	1.8:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥10.0 * Δ	11.0
DC Current	I _{CC}	mA	---	15

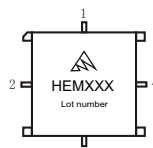
- 1) "Δ" f = 100MHz; "Δ" T_A = 24 ± 1°C;
- 2) The G_p and P₋₁ will be reduced 0.1dB and 2.0dB respectively under operating at 12VDC (I_{CC} = 10mA Typ)

Maximum Rating

- DC Voltage : +17VDC
- RF Input: +10dBm
- Storage Temp: +125°C



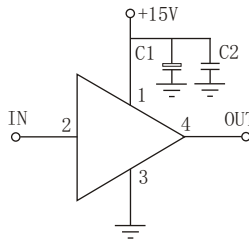
T0-8C



SMO-8C

Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF ; C₂ = 3300~6800pF;
2. Interchanged directly with AM181 from M/A COM Company ;
3. See assembly section for mounting information
4. Connectorized package(SMA-1)available



Typical Curves

