

Features

- Frequency Range: 10~500MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

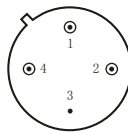
Specifications (50 Ω, V_{CC} = +12V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~500	10~550
Gain	G _p	dB	≥25.0	28.0
Gain Flatness	ΔG _p	DB	≤±0.5	±0.3
Noise Figure	F _n	dB	≤2.5 Δ	2.0
Input VSWR	VSWR _i	—	≤2.0:1	1.5:1
Output VSWR	VSWR _o	—	≤2.0:1	1.5:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥3.0 * Δ	4.0
DC Current	I _{CC}	mA	—	35

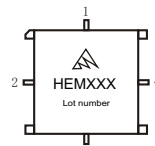
“*”f = 300MHz; “Δ” T_A = 24 ± 1°C;

Maximum Rating

DC Voltage : +15VDC
RF Input: +10dBm
Storage Temp: +125°C



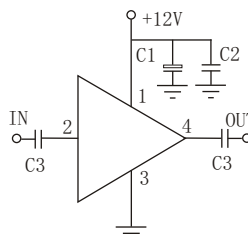
TO-8A



SMO-8C

Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF ; C₂ = 3300~6800pF; C₃ = 1000pF;
2. Interchanged directly with A76 from W-J Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1) available



Typical Curves

