



Features

- Frequency Range: 20~250MHz
- Low Noise :1.8dB(Typical)
- 23dBm 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)

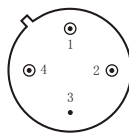
Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	20~250	--
Gain	G _p	dB	≥7.0	7.5
Gain Flatness	ΔG _p	dB	≤±0.5 Δ	--
Noise Figure	F _n	dB	≤2.0 Δ	1.8
Input VSWR	VSWR _i	--	≤2.0:1 Δ	--
Output VSWR	VSWR _o	--	≤2.0:1 Δ	--
Output Power @ 1dB Compression	P ₋₁	dBm	≥23.0 * Δ	24.0
DC Current	I _{CC}	mA	--	50

1) "*"f = 100MHz; "Δ" T_A = 24 ± 1°C;

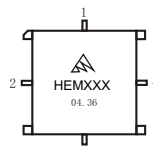
2) The G_p and P₋₁ will be reduced 0.1dB and 2.0dB respectively under operating at 12VDC (I_{CC} = 40mA Typ)

Maximum Rating

DC Voltage : +17VDC
RF Input: +13dBm
Storage Temp: +125°C



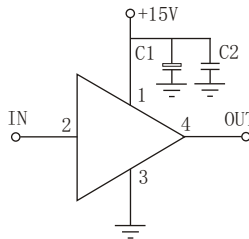
T0-8C



SM0-8C

Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF; C₂ = 3300~6800pF;
2. Interchanged directly with AM119 from M/A COM Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1)available



Typical Curves

