

Features

- Frequency Range: 10~400MHz
- High Efficiency :20dBm /45mA(Typical)
- Active Bias Design Supply Temperature Compensation
- 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	10~400	—
Gain	G _p	dB	≥16.0	17.0
Gain Flatness	ΔG _p	dB	≤1.0Δ	0.5
Noise Figure	F _n	dB	≤3.5Δ	3.2
Input VSWR	VSWR _i	—	≤2.0:1Δ	1.5:1
Output VSWR	VSWR _o	—	≤2.0:1Δ	1.5:1
Output Power @ 1dB Compression	P-1	dBm	≥19.0 * Δ	20.0
DC Current	I _{CC}	mA	—	45

1)“*”f =200MHz; “Δ” T_A=24±1°C;

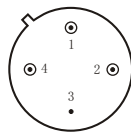
2)The G_p and P-1 will be reduced 0.2dB and 2.0dB respectively (I_{CC}=35mA T_{yp})

Maximum Rating

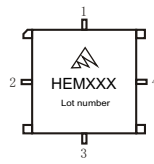
DC Voltage : +18VDC

RF Input:+10dBm

Storage Temperature: +125°C



TO-8C



SMD-8C

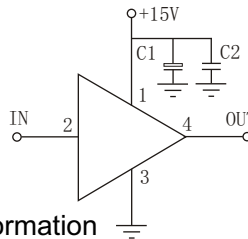
Application Notes

1. Typical application shown as right, C₁=3.3~22 μF ; C₂=3300~6800pF;

2. Interchanged directly with AM147 from M/A COM Company and A180 from W-J Company;

3. See assembly section for mounting information

4. Connectorized package(SMA-1)available



Typical Curves

