



Features

- Frequency Range: 10~400MHz
- High Efficiency : 17dBm /35mA(Typical)
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

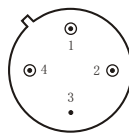
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

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	3.0
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	≥16.0 * Δ	17.0
DC Current	I _{CC}	mA	—	35

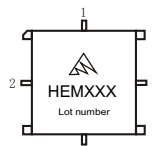
- 1) “*”f = 200MHz; “Δ” T_A = 24 ± 1°C ;
- 2) The G_p and P₋₁ will be reduced 0.2dB and 2.0dB respectively (I_{CC} = 28mA Typ)

Maximum Rating

DC Voltage : +18VDC
 RF Input: +10dBm
 Storage Temperature: +125°C



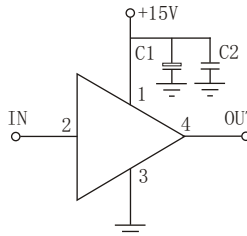
T0-8C



SM0-8C

Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF ; C₂ = 3300~6800pF;
2. Interchanged directly with A87-2 from W-J Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1) available



Typical Curves

