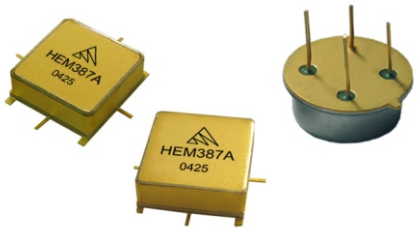
HE387A/HEM387A
Broadband Amplifier



Features

- Frequency Range:20~400MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range:-55℃～+85℃

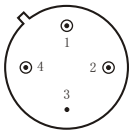
Specifications (50Ω, V_{CC} = +15V, T_A=-55℃～+85℃)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f_L～f_H	MHz	20～400	--
Gain	Gp	dB	≥25.0	26.0
Gain Flatness	△Gp	dB	≤±0.5△	--
Noise Figure	Fn	dB	≤3.0△	2.3
Input VSWR	VSWRi	--	≤2.0:1△	--
Output VSWR	VSWRo	--	≤2.0:1△	--
Output Power @ 1dB Compression	P_{-1}	dBm	≥16.5*△	17.0
DC Current	Icc	mA	--	30

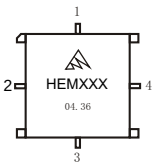
1)"*"f =200MHz; "△" T_A=24±1℃;
2)The Gp and P_{-1} wil be reduced 0.4dB and 2.8dB respectively under operating at 12VDC (Icc=25mA Typ)

Maximum Rating

DC Voltage : +17VDC
RF Input:+7dBm
Storage Temp: +125℃



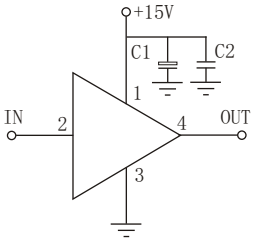
TO-8C



SMO-8C

Application Notes

1. Typical application shown as right, C_1=3.3～22μF; C_2=3300～6800pF;
2. Interchanged directly with A80 and A81 from W-J Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1)available



Typical Curves