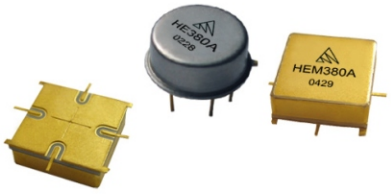
HE380A/HEM380A
Broadband Amplifier



Features

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

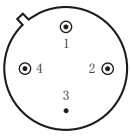
Specifications (50Ω ,V_{CC} = +15V,T_A=-55℃～+85℃)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f_L～f_H	MHz	10～400	--
Gain	Gp	dB	≥13.0	14.0
Gain Flatness	△Gp	dB	≤1.0 △	0.5
Noise Figure	Fn	dB	≤4.0 △	3.5
Input VSWR	VSWRi	--	≤2.0:1△	1.5:1
Output VSWR	VSWRo	--	≤2.0:1△	1.5:1
Output Power @ 1dB Compression	P-1	dBm	≥16.0 ＊△	17.0
DC Current	Icc	mA	--	35

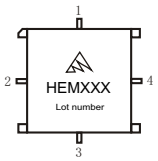
1)"*"f =200MHz; "△" T_A=24±1℃;
2)The Gp and P-1 wil be reduced 0.2dB and 2.0dB respectively (Icc=28mA Typ)

Maximum Rating

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



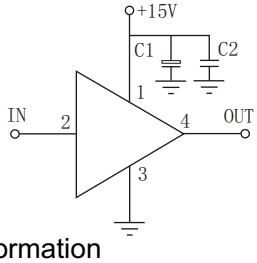
TO-8C



SMO-8C

Application Notes

1. Typical application shown as right, C_1=3.3～22μF ; C_2=3300～6800pF;
2. Interchanged directly with AM151 from M/A COM Company and A78 from W-J Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1)available



Typical Curves