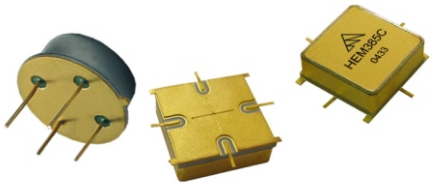
HE385C/HEM385C
Broadband Amplifier



Features

- Frequency Range:20~250MHz
- Low Noise :1.8dB(Typical)
- 23dBm Typical 1dB Compression
- Standard Hermetic Package
- Operating Temperature Range:-55℃～+85℃

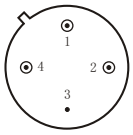
Specifications (50Ω,V_{CC} = +15V,T_A=-55℃～+85℃)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f_L～f_H	MHz	20～250	--
Gain	G_P	dB	≥7.0	7.5
Gain Flatness	△G_P	dB	≤±0.5△	--
Noise Figure	F_n	dB	≤2.0△	1.8
Input VSWR	VSWRi	--	≤2.0:1△	--
Output VSWR	VSWRo	--	≤2.0:1△	--
Output Power @ 1dB Compression	P_{-1}	dBm	≥23.0＊△	24.0
DC Current	I_{CC}	mA	--	50

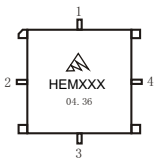
1)"*"f =100MHz; "△" T_A=24±1℃;
2)The Gp and P-1 wil be reduced 0.1dB and 2.0dB respectively under operating at 12VDC (Icc=40mA Typ)

Maximum Rating

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



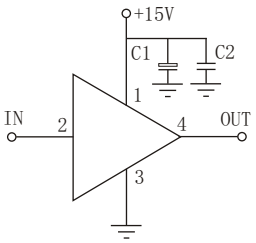
TO-8C



SMO-8C

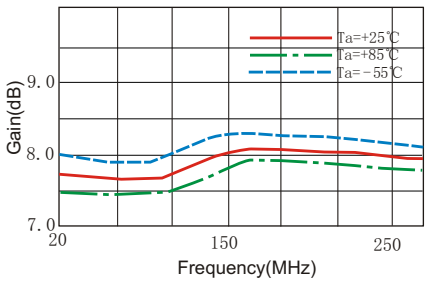
Application Notes

1. Typical application shown as right, C_1=3.3～22μF ; C_2=3300～6800pF;
2. Interchanged directly with AM119 from M/A COM Company ;
3. See assembly section for mounting information
4. Connectorized package(SMA-1)available

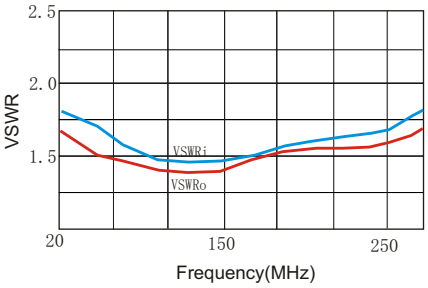


Typical Curves

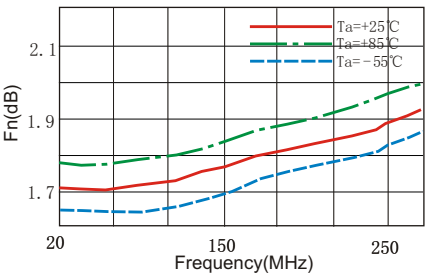
GAIN



VSWR



NOISE FIGURE



Output P1dB

