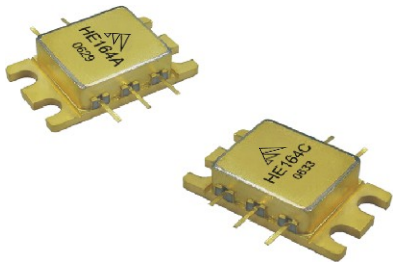
HE164 Series
Medium Power Amplifier



Features

- Frequency Range:3.1~3.4GHz
- Gain Flatness:△Gp≤±0.3dB
- VSWRi≤1.6
- Standard Hermetic Package
- Operating Temperature Range:-55℃～+85℃

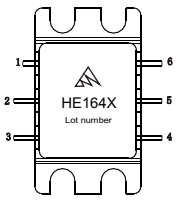
Specifications (50Ω,T_A=-55℃～+85℃)

Model	Parameterl	Frequency Rangel	Gainl	Input Power	Saturation OutputPower	DC Operation Voltage/Current
		f_L-f_H	Gp	P_{in}	Po	V_{cc}/I_{cc}
		GHz	dB	dBm	dBm	V/A
HE162A	Typical	3.1~3.4	29.5	0	30.5	9/0.45
	Guaranteed	3.1~3.4	≥29.0	0	≥30.0△	--
HE162B	Typical	3.1~3.4	29.5	3	33.5	10/0.75
	Guaranteed	3.1~3.4	≥29.0	3	≥33.0△	--
HE162C	Typical	3.1~3.4	29.5	3	35.0	10/1.0
	Guaranteed	3.1~3.4	≥29.0	5	≥34.8△	--

"△" T_A=24±1℃;

Maximum Rating

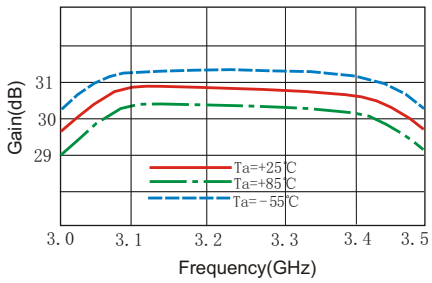
DC Voltage :
HE164A:10VDC
HE164B/C:11VDC
RF Input:+10dBm
Storage Temp: +125℃
Case Temp:+105℃



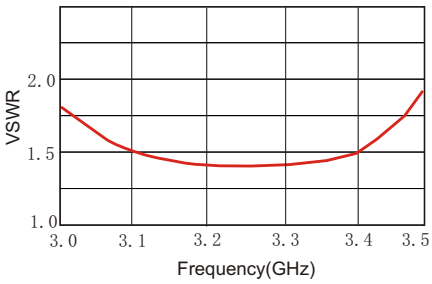
QF004A

Typical Curves (HE161D)

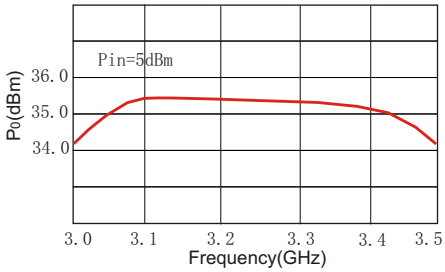
GAIN



VSWR



OUTPUT POWER



Application Notes

1. Typical application shown as right: C_1=10～33μF;
   C_2= 1000～3300pF;
2. Output port should be connected with isolator;
3. See assembly section for mounting information
4. Input port and output port should be avoided operating under short、 open or high VSWR state .
5. Heat sink must be provided in use.