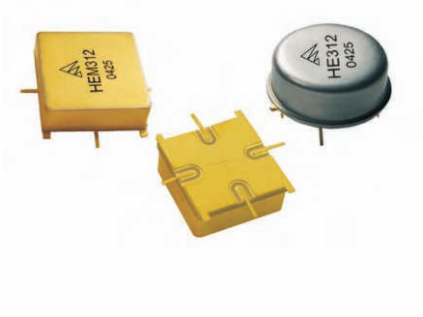


Features

- Frequency Range: 1～100MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55℃～+85℃

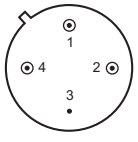
Electrical (50Ω, V_{CC}=+15V, T_A=-55℃～+85℃)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f_L～f_H	MHz	1～100	--
Gain	Gp	dB	≥15.0	17.0
Gain Flatness	Δ Gp	dB	≤1.0	0.3
Noise Figure	Fn	dB	≤4.5 Δ	3.5
Input VSWR	VSWRi	--	≤2.0:1	1.5:1
Output VSWR	VSWRo	--	≤2.0:1	1.5:1
For 1dB Compression	P_{-1}	dBm	≥19.0 * Δ	19.5
Supply Current	I_{CC}	mA	≤70.0	65

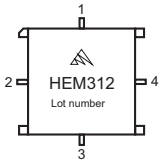
Note: 1) "*" f =30MHz. " Δ " T_A=24±1℃.
2)The Gp and P-1 wil be reduced 0.1dB and 2dB respectively under operating at 12VDC (Icc=52mA Typ)

Maximum Ratings

Power supply: +17V_{DC}
RF input: +10dBm
Storage Temp: +125℃



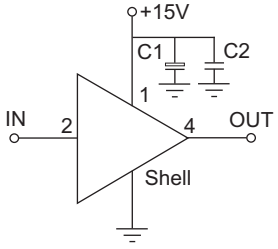
TO-8F



SMO-8D

Application Notes

1.Interface schematic shown as right,
C_1=3.3～22μF, C_2=1000～3300pF.
2.Pay attention to heat dispersion.
3.Connectorized package (SMA-2) available.
4.See assembly section for outline and mounting information.



Typical Curves

