

Features

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

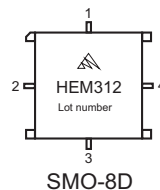
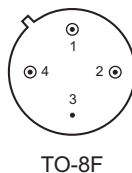
Electrical (50 Ω, V_{CC}=+15V, T_A=-55°C~+85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	1~100	--
Gain	G _p	dB	≥15.0	17.0
Gain Flatness	Δ G _p	dB	≤1.0	0.3
Noise Figure	F _n	dB	≤4.5 Δ	3.5
Input VSWR	VSWR _i	--	≤2.0:1	1.5:1
Output VSWR	VSWR _o	--	≤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°C.
 2)The G_p and P₋₁ will be reduced 0.1dB and 2dB respectively under operating at 12VDC (I_{CC}=52mA Typ)

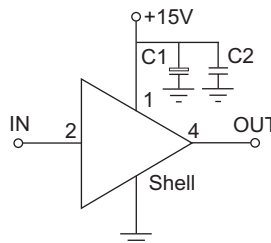
Maximum Ratings

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



Application Notes

1. Interface schematic shown as right, C₁=3.3~22 μ F, C₂=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

