



Features

- Frequency Range: 10~500MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

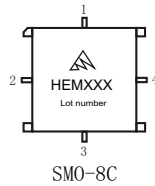
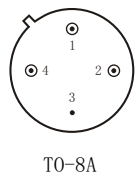
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical	
Frequency Range	f _L ~f _H	MHz	10~200	10~200	10~500
Gain	G _p	dB	≥10.0	12.0	11.0
Gain Flatness	ΔG _p	dB	≤±0.5	≤±0.3	≤±0.4
Isolation	I _{so}	dB	≥50.0	60.0	40.0
Noise Figure	F _n	dB	≤5.0	4.5	5.0
Input VSWR	VSWR _i	--	≤2.0:1	1.5:1	
Output VSWR	VSWR _o	--	≤2.0:1	1.5:1	
Output Power @ 1dB Compression	P ₋₁	dBm	≥13.0 * Δ	13.0	11.0
DC Current	I _{cc}	mA	--	35	

- 1) "*"f = 100MHz; "Δ" T_A = 24 ± 1°C;
- 2) The G_p and P₋₁ will be reduced 0.3dB and 2.0dB respectively under operating at 12VDC (I_{cc} = 28mA Typ)

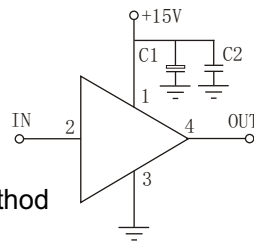
Maximum Rating

DC Voltage : +18VDC
RF Input: +10dBm
Storage Temp: +125°C



Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF ; C₂ = 3300~6800pF;
2. Interchanged directly with UTO-573 from HP Company;
3. See assembly section for mounting method
4. Connectorized package(SMA-1)



Typical Curve

