

Features

- Frequency Range: 10~1000MHz
- Active Bias Design Supply Temperature Compensation
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

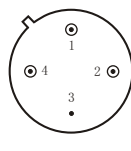
Specifications (50 Ω, V_{CC} = +5V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	10~1000	10~1000
Gain	G _p	dB	≥15.0	16.0
Gain Flatness	ΔG _p	dB	≤±0.5	±0.3
Noise Figure	F _n	dB	≤3.0Δ	--
Input VSWR	VSWR _i	--	≤2.0:1	1.8:1
Output VSWR	VSWR _o	--	≤2.0:1	1.6:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥10.0*Δ	11.0
DC Current	I _{CC}	mA	--	30

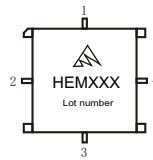
* * * f = 700MHz; “Δ” T_A = 24 ± 1°C;

Maximum Rating

- DC Voltage : +6VDC
- RF Input: +10dBm
- Storage Temp: +125°C



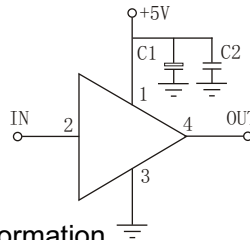
TO-8C



SMO-8C

Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF ; C₂ = 3300~6800pF;
2. Interchanged directly with UTO-1007 from AVANTEK Company and A28-2 from W-J Company;
3. See assembly section for mounting information
4. Connectorized package(SMA-1) available



Typical Curves

