



Features

- Frequency Range: 20~500MHz
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

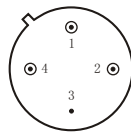
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	20~500	20~500
Gain	G _p	dB	≥10.0	11.0
Gain Flatness	ΔG _p	dB	≤1.0	0.5
Noise Figure	F _n	dB	≤4.5 Δ	4.0
Input VSWR	VSWR _i	—	≤2.0:1 Δ	1.7:1
Output VSWR	VSWR _o	—	≤2.0:1 Δ	1.7:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥16.0 * Δ	—
DC Current	I _{CC}	mA	—	45

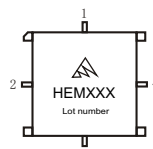
- 1) “*”f = 400MHz; “Δ” T_A = 24 ± 1°C;
- 2) The G_p and P₋₁ will be reduced 0.1dB and 2.3dB respectively under operating at 12VDC (I_{CC} = 36mA Typ).

Maximum Rating

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



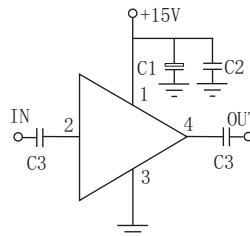
TO-8C



SMO-8C

Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF; C₂ = 3300~6800pF; C₃ = 1000pF;
2. Interchanged directly with UTO-545 from HP Company;
3. See assembly section for mounting information
4. Connectorized package (SMA-1) available



Typical Curves

