

Features

- Frequency Range: 10~200MHz
- Low Noise :1.2dB(Typical)
- 10dBm Typical 1dB Compression
- Standard Hermetic Package
- Operating Temperature Range:-55°C~+85°C

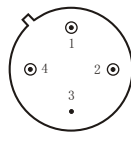
Specifications (50 Ω, V_{CC} = +5V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	20~200	10~200
Gain	G _p	dB	≥10.0	--
Gain Flatness	ΔG _p	dB	≤±0.5Δ	±0.3
Noise Figure	F _n	dB	≤1.5Δ	1.2
Input VSWR	VSWR _i	--	≤2.0:1Δ	1.8:1
Output VSWR	VSWR _o	--	≤2.0:1Δ	1.8:1
Output Power @ 1dB Compression	P-1	dBm	≥10.0 * Δ	--
DC Current	I _{CC}	mA	--	10

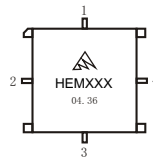
*f = 60MHz; "Δ" T_A = 24 ± 1°C;

Maximum Rating

- DC Voltage : +8VDC
- RF Input: +13dBm
- Storage Temp: +125°C



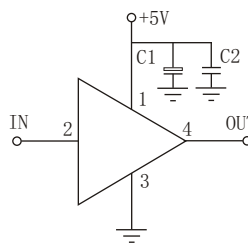
T0-8C



SMO-8C

Application Notes

1. Typical application shown as right, C₁ = 3.3~22 μF; C₂ = 3300~6800pF;
3. See assembly section for mounting information
4. Connectorized package(SMA-1) available



Typical Curves

