

Features

- Frequency Range: 10~200MHz
- Low Noise :1.2dB(Typical)
- 18dBm Typical 1dB Compression
- Standard Hermetic Package
- Operating Temperature Range:-55°C~+85°C

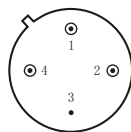
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	f _L ~f _H	MHz	20~200	10~200
Gain	G _p	dB	≥10.0	--
Gain Flatness	ΔG _p	dB	≤±0.5 Δ	±0.3
Noise Figure	F _n	dB	≤1.5 Δ	1.2
Input VSWR	VSWR _i	--	≤2.0:1 Δ	1.8:1
Output VSWR	VSWR _o	--	≤2.0:1 Δ	1.8:1
Output Power @ 1dB Compression	P ₋₁	dBm	≥15.0 Δ	--
			≥17.0 *	--
DC Current	I _{cc}	mA	--	15

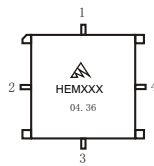
- 1) **f = 100MHz; “Δ” T_A = 24 ± 1°C ;
- 2) The G_p and P-1 will be reduced 0.1dB and 2.5dB respectively under operating at 12VDC (I_{cc} = 10mA Typ)

Maximum Rating

DC Voltage : +17VDC
RF Input: +13dBm
Storage Temp: +125°C



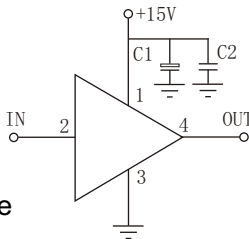
T0-8C



SMO-8C

Application Notes

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



Typical Curves

