



Features

- Frequency Range: 1.0~3.5GHz
- 20dBm Typical 1dB Compression
- Standard Hermetic Package
- Operating Temperature Range: -55°C ~ +85°C

Specifications (50 Ω , $V_{CC} = +12V$, $T_A = -55^\circ C \sim +85^\circ C$)

Parameter	Symbol	Unit	Guaranteed	Typical
Frequency Range	$f_L \sim f_H$	GHz	1.0~3.5	1.0~3.5
Gain	G_p	dB	≥ 15.0	16.0
Gain Flatness	ΔG_p	dB	$\leq \pm 1.5$	± 0.5
Noise Figure	F_n	dB	$\leq 5.5 \Delta$	3.0
Input VSWR	VSWR _i	---	$\leq 2.0:1$	1.8:1
Output VSWR	VSWR _o	---	$\leq 2.0:1$	1.8:1
Output Power @ 1dB Compression	P_{-1}	dBm	$\geq 19.0 * \Delta$	20.0
DC Current	I_{CC}	mA	---	80

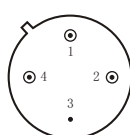
"*" $f = 3500MHz$; " Δ " $T_A = 24 \pm 1^\circ C$;

Maximum Rating

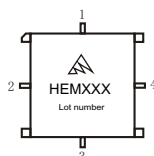
DC Voltage : +13.5VDC

RF Input: +13dBm

Storage Temp: +125°C



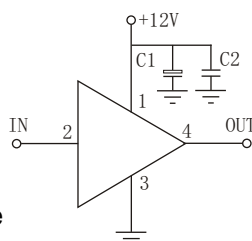
TO-8A



SMO-8C

Application Notes

1. Typical application shown as right,
 $C_1 = 10 \sim 33 \mu F$; $C_2 = 3300 \sim 6800 pF$;
2. See assembly section for mounting information
3. Connectorized package(SMA-1) available
4. Pay attention to heat dispersion.
5. ESD observe handling precautions



Typical Curves

