



### Features

- Frequency Range: 10~3000MHz
- Standard Hermetic Package TO-8C, SMO-8C
- Operating Temperature Range: -55℃ ~ +85℃

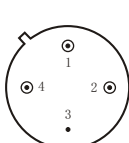
### Specifications (50 Ω, V<sub>CC</sub> = +12V, T<sub>A</sub> = -55℃ ~ +85℃)

| Parameter                      | Symbol                         | Unit | Guaranteed | Typical |
|--------------------------------|--------------------------------|------|------------|---------|
| Frequency Range                | f <sub>L</sub> ~f <sub>H</sub> | MHz  | 10~3000    | 10~3500 |
| Gain                           | G <sub>p</sub>                 | dB   | 11.0       | 12.0    |
| Gain Flatness                  | ΔG <sub>p</sub>                | dB   | 1.5        | 1.0     |
| Noise Figure                   | F <sub>n</sub>                 | dB   | 3.5 Δ #    | 2.8     |
| Input VSWR                     | VSWR <sub>i</sub>              | ---  | 2.0:1 Δ    | 1.7:1   |
| Output VSWR                    | VSWR <sub>o</sub>              | ---  | 2.0:1 Δ    | 1.8:1   |
| Output Power @ 1dB Compression | P <sub>-1</sub>                | dBm  | 19.0 Δ     | 20.0    |
| DC Current                     | I <sub>cc</sub>                | mA   | ---        | 75      |

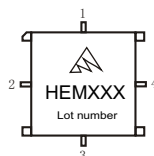
“Δ” T<sub>A</sub> = 24 ± 1℃; “#” f ≥ 500MHz

### Maximum Rating

DC Voltage : +13.5V<sub>DC</sub>  
RF Input: +15dBm  
Storage Temp: +125℃



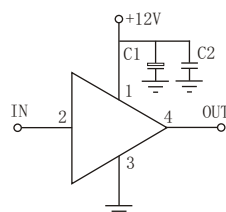
TO-8C



SMO-8C

### Application Notes

1. Typical application shown as right, C<sub>1</sub> = 10~33 μF; C<sub>2</sub> = 3300~6800pF;
2. See assembly section for mounting information
3. Connectorized package(SMA-1) available
4. ESD observe handling precautions



### Typical Curves

