



Features

- Frequency Range: 20~600MHz
- Low Noise: 1.5dB(Typical)
- Standard Hermetic Package TO-8C, SMO-8C
- Operating Temperature Range: -55°C ~ +85°C

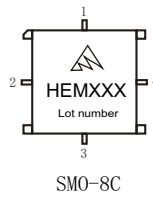
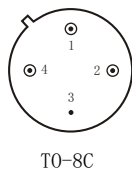
Specifications (50 Ω, V_{CC} = +15V, T_A = -55°C ~ +85°C)

| Parameter | Symbol | Unit | Guaranteed | Typical |
|--------------------------------|--------------------------------|------|------------|---------|
| Frequency Range | f _L ~f _H | MHz | 20~600 | 20~600 |
| Gain | G _p | dB | ≥13 | 14 |
| Gain Flatness | ΔG _p | dB | ≤1 | 0.5 |
| Noise Figure | F _n | dB | ≤2.0 Δ | 1.5 |
| Input VSWR | VSWR _i | --- | ≤2.0:1 Δ | 1.8:1 |
| Output VSWR | VSWR _o | --- | ≤2.0:1 Δ | 1.4:1 |
| Output Power @ 1dB Compression | P ₋₁ | dBm | ≥24.0* Δ | 24.5 |
| DC Current | I _{CC} | mA | ≤130 | 100 |

*f=300MHz; "Δ" T_A=24±1°C;

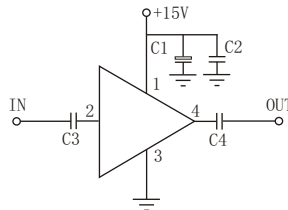
Maximum Rating

- DC Voltage : +16V_{DC}
- RF Input: +18dBm
- Storage Temp: +125°C



Application Notes

1. Typical application shown as right, C₁=10~33 μF ; C₂=3300~6800pF ; C₃, C₄=1000~10000pF;
2. See assembly section for mounting information
3. Connectorized package(SMA-1) available
4. ESD observe handling precautions



Typical Curves

