

Features

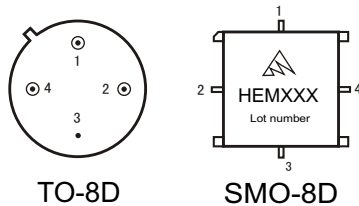
- Built-in buffer amplifier low frequency pulling
- Low phase noise
- Hyperabrupt varactor broad tuning bandwidth
- Thin film hybrid construction
- TO-8D、SMO-8D、SP-1 packages available
- Operating temperature range: -55°C ~ +85°C

Specifications ($T_A=25^\circ\text{C}$, $V_{CC}=+12\text{V}$)

| Parameter | Symbol | Unit | Guaranteed | Typical | Test Condition |
|-------------------------|----------------|--------|----------------|-----------|--|
| Frequency Range | $f_L \sim f_H$ | MHz | 1800~2600 | — | $V_T: 0 \sim 20\text{V}$ |
| Power Output | P_o | dBm | ≥ 10 | 12 | $V_T=10\text{V}$ |
| Power Output Variation | ΔP_o | dB | $\leq \pm 1.5$ | ± 1.0 | $f_{L-H}: 1800 \sim 2600\text{MHz}$ |
| Tuning Voltage | V_T | V | 0~20 | — | — |
| Pushing | K_{VC} | MHz/V | — | 3.0 | $V_{CC}=11 \sim 13\text{V}$, $V_T=10\text{V}$ |
| Spurious | R_{fs} | dBc | ≤ -70 | — | $f_{L-H}: 1800 \sim 2600\text{MHz}$ |
| Harmonics | R_{fn} | dBc | — | -25 | $f_{L-H}: 1800 \sim 2600\text{MHz}$ |
| SSB Phase Noise | S_ϕ | dBc/Hz | — | -95 | $V_T=10\text{V}$, $f_m=10\text{KHz}$ |
| Frequency Drift | Δf | MHz | — | 40 | $V_T=10\text{V}$, $T_A: -55 \sim +85^\circ\text{C}$ |
| Current | I_{CC} | mA | — | 70 | — |
| Tuning Port Capacitance | C_T | pF | — | 90 | — |

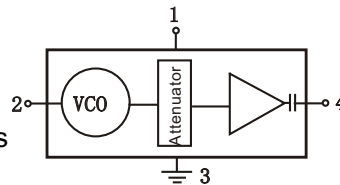
Absolute Ratings

- Maximum DC Voltage : +15V
- Maximum Tuning Voltage : +30V
- Minimum Tuning Voltage : -0.7V
- Maximum Storage Temp: +125°C



Application Notes

1. See assembly section for mounting information
2. ESD observe handling precautions



- 1. Vcc 3. GND
- 2. V_T 4. P_o

Typical Performance

