



Features

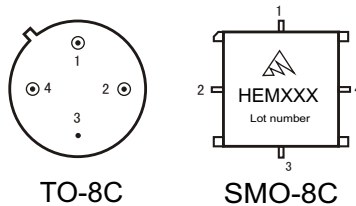
- Built-in buffer amplifier low frequency pulling
- Low phase noise
- Hyperabrupt varactor octave bandwidth
- Thin film circuit high reliability
- TO-8C、SMO-8C、SP-1、SP-3 packages available
- Operating temperature range: -55°C ~ +85°C

Specifications (T_A=25°C, V_{CC}=+15V)

Parameter	Symbol	Unit	Guaranteed	Typical	Test Condition
Frequency Range	f _L ~f _H	MHz	4000~8000	—	V _T : 0~20V
Power Output	P _o	dBm	≥10	11	V _T =6V
Power Output Variation	ΔP _o	dB	≤±2.5	±1.5	f _{L-H} : 4000~8000MHz
Tuning Voltage	V _T	V	0~20	—	—
Pushing	K _{VC}	MHz/V	—	20	V _{CC} =14~16V, V _T =6V
Spurious	R _{fs}	dBc	≤-60	—	f _{L-H} : 4000~8000MHz
Harmonics	R _{fn}	dBc	—	-12	f _{L-H} : 4000~8000MHz
SSB Phase Noise	S _φ	dBc/Hz	—	-100	V _T =6V, f _m =100KHz
Frequency Drift	Δf	MHz	—	140	V _T =6V, T _A : -55~+85°C
Current	I _{CC}	mA	—	85	—
Tuning Port Capacitance	C _T	pF	—	45	—

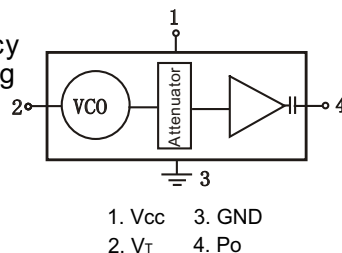
Absolute Ratings

- Maximum DC Voltage : +18V
- Maximum Tuning Voltage : +24V
- Minimum Tuning Voltage : -0.7V
- Maximum Storage Temp: +125°C



Application Notes

1. Isolator is required for high frequency
2. See assembly section for mounting information
3. ESD observe handling precautions



Typical Performance

