

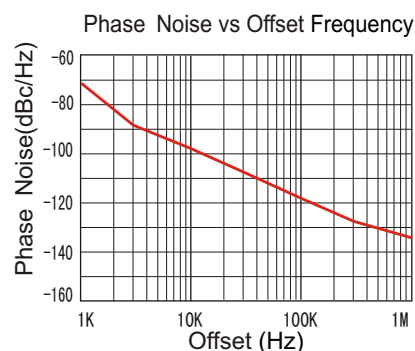
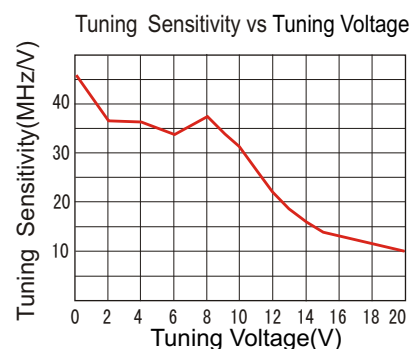
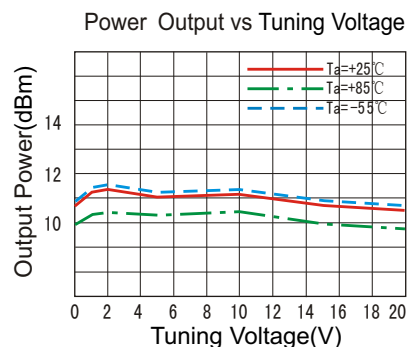
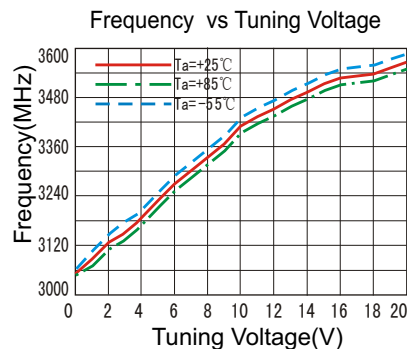
Features

- Built-in buffer amplifier low frequency pulling
- Ultra low phase noise
- Flexible tuning design, custom frequency range
300~4700MHz available bandwidth 10~30%
- Thin film hybrid construction
- TO-8D、SMO-8D、SP-1 packages available
- Operating temperature range: -55°C ~ +85°C

Specifications (T_A=25°C, V_{CC}=+12V)

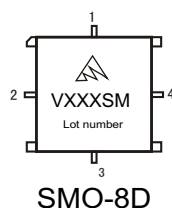
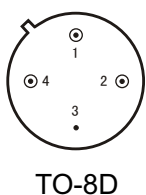
Parameter	Symbol	Unit	Guaranteed	Typical	Test Condition
Frequency Range	f _L ~f _H	MHz	3100~3500	—	V _T : 0~15V
Power Output	P _O	dBm	≥10	11	V _T =5V
Power Output Variation	ΔP _O	dB	≤±1.0	±0.5	f _{L-H} : 3100~3500MHz
Tuning Voltage	V _T	V	0~15	—	—
Pushing	K _{VC}	MHz/V	—	4.5	V _{CC} =11~13V, V _T =5V
Spurious	R _{fs}	dBc	≤-75	—	f _{L-H} : 3100~3500MHz
Harmonics	R _{fn}	dBc	—	-25	f _{L-H} : 3100~3500MHz
SSB Phase Noise	S _Φ	dBc/Hz	—	-97	V _T =5V, f _m =10KHz
Frequency Drift	Δf	MHz	—	44.5	V _T =5V, T _A : -55~+85°C
Current	I _{CC}	mA	—	65	—
Tuning Port Capacitance	C _T	pF	—	45	—

Typical Performance



Absolute Ratings

Maximum DC Voltage : +15V
Maximum Tuning Voltage : +25V
Minimum Tuning Voltage : -0.7V
Maximum Storage Temp: +125°C



Application Notes

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

