

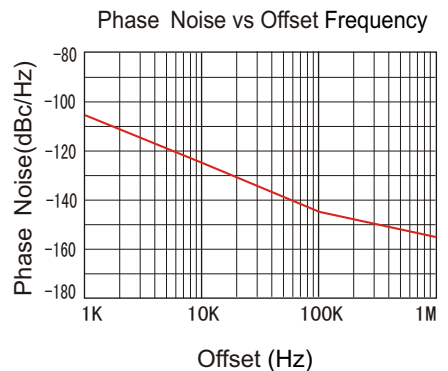
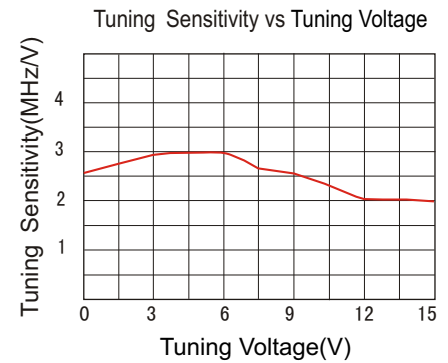
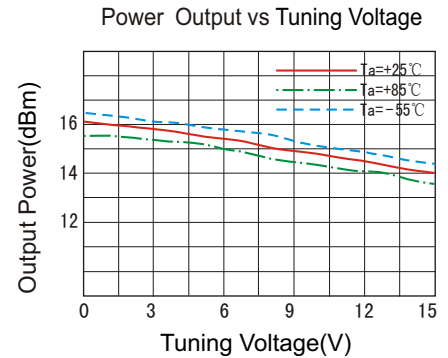
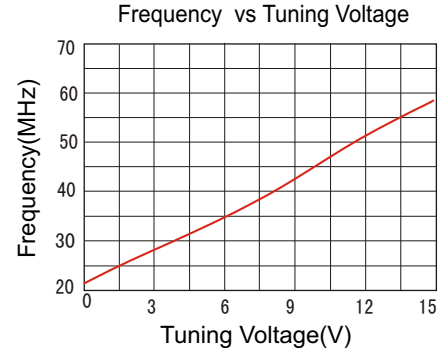
Features

- Low phase noise
- Perfect tuning linearity 1.5:1
- Reliable thin film hybrid construction
- Custom frequency range 20~400MHz available
- TO-8D、SMO-8D packages available
- Operating temperature range: -55°C~+85°C

Specifications(TA=25°C,VCC=+12V)

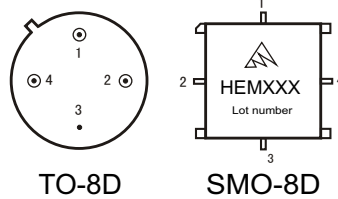
Parameter	Symbol	Unit	Guaranteed	Typical	Test Condition
Frequency Range	$f_L \sim f_H$	MHz	25~50	-	$V_T: 0 \sim 15V$
Power Output	P_o	dBm	≥ 13	15	$V_T=10V$
Power Output Variation	ΔP_o	dB	$\leq \pm 1.5$	± 1.0	$f_{L-H}: 25 \sim 50MHz$
Tuning Voltage	V_T	V	0~15	-	-
Pushing	K_{VC}	MHz/V	-	0.5	$V_{CC}=11 \sim 13V, V_T=10V$
Spurious	R_{is}	dBc	≤ -70	-	$f_{L-H}: 25 \sim 50MHz$
Harmonics	R_{in}	dBc	-	-10	$f_{L-H}: 25 \sim 50MHz$
SSB Phase Noise	S_{ϕ}	dBc/Hz	-	-125	$V_T=10V, f_m=10KHz$
Frequency Drift	Δf	MHz	-	3	$V_T=10V, T_A: -55 \sim +85^\circ C$
Current	I_{CC}	mA	-	30	-
Tuning Port Capacitance	C_T	pF	-	1000	-

Typical Performance



Absolute Ratings

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



Application Notes

- 1.This device is only an oscillator;an external buffer amplifier or isolator is required to lower the frequency pulling
- 2.See assembly section for mounting information
- 3.ESD observe handing precautions

