

Features

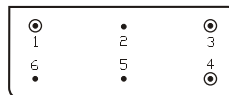
- Coaxial ceramic resonator
- Ultra low phase noise high stability
- Built-in buffer amplifier low frequency pulling
- Thin film hybrid construction small size
- Hermetic package (DIP-22C ; SP-22)
- Operating temperature range: -55°C ~ +85°C

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

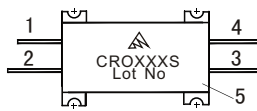
Parameter	Symbol	Unit	Guaranteed	Typical	Test Condition
Frequency Range	f _L ~f _H	MHz	2600~2660	—	V _T : 0~15V
Power Output	P _O	dBm	≥12	12.5	V _T =6V
Power Output Variation	ΔP _O	dB	≤±1.0	±0.5	f _{L-H} : 2600~2660MHz
Tuning Voltage	V _T	V	0~15	—	—
Pushing	K _{VC}	MHz/V	—	0.1	V _{CC} =11~13V, V _T =6V
Spurious	R _{fs}	dBc	≤-75	—	f _{L-H} : 2600~2660MHz
Harmonics	R _{fn}	dBc	—	-20	f _{L-H} : 2600~2660MHz
SSB Phase Noise	S _Φ	dBc/Hz	—	-122	V _T =6V, f _m =10KHz
Frequency Drift	Δf	MHz	—	2	V _T =6V, T _A : -55~+85°C
Current	I _{CC}	mA	—	65	—
Tuning Port Capacitance	C _T	pF	—	50	—

Absolute Ratings

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



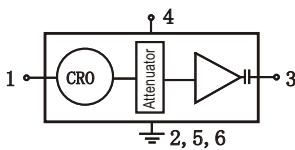
DIP-22C



SP-22

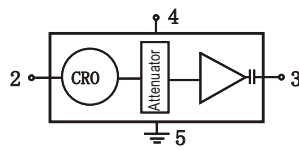
Application Notes

1. See assembly section for mounting information
2. ESD observe handling precautions
3. DIP-22C is for CRO2630D; SP-22 is for CRO2630S.



DIP-22C

- 1.V_T 2,5,6.Case GND
- 3.P_O 4.V_{CC}

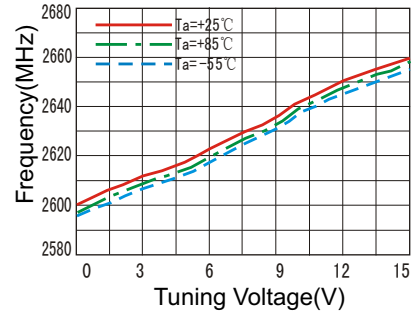


SP-22

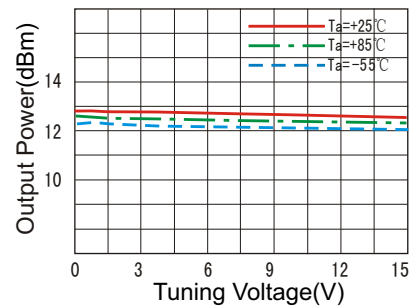
- 1.N/C 2.V_T 3.P_O
- 4.V_{CC} 5.Case GND

Typical Performance

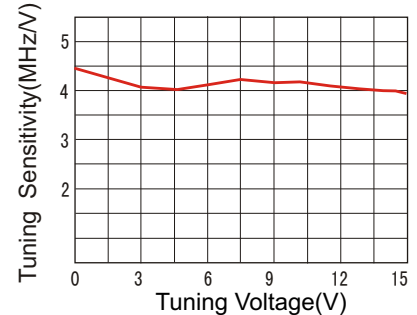
Frequency vs Tuning Voltage



Power Output vs Tuning Voltage



Tuning Sensitivity vs Tuning Voltage



Phase Noise vs Offset Frequency

