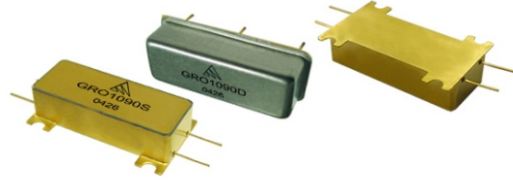


Features

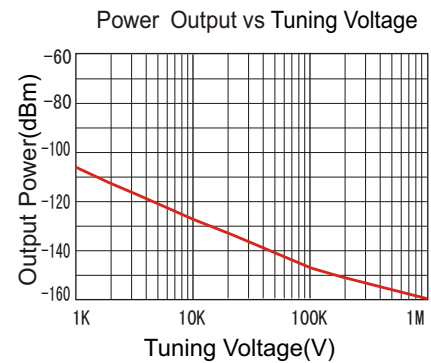
- Coaxial ceramic resonator
- Ultra low phase noise high stability
- Built-in buffer amplifier low frequency pulling
- Thin film hybrid construction small size
- Hermetic package (DIP-22C ; SP-22)
- Operating temperature range: -55°C ~ +85°C



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

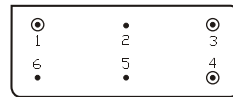
Parameter	Symbol	Unit	Guaranteed	Typical	Test Condition
Frequency Range	f _L ~f _H	MHz	—	1090	—
Power Output	P _O	dBm	≥13	13.5	—
Power Output Variation	ΔP _O	dB	—	±0.5	T _A : -55~+85°C
Pushing	K _{VC}	MHz/V	—	0.1	V _{CC} =11~13V
Spurious	R _{fs}	dBc	≤-75	—	—
Harmonics	R _{fn}	dBc	—	-15	—
SSB Phase Noise	S _Φ	dBc/Hz	—	-127	F _m =10KHz
Frequency Drift	Δf	MHz	—	1.4	T _A : -55~+85°C
Current	I _{CC}	mA	—	65	—

Typical Performance

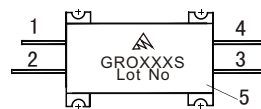


Absolute Ratings

Maximum DC Voltage : +15V
 Maximum Storage Temp: +125°C



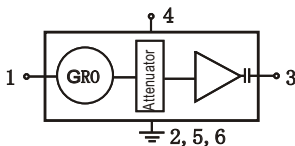
DIP-22C



SP-22

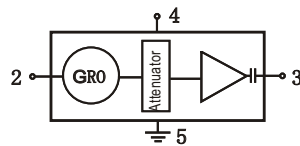
Application Notes

1. See assembly section for mounting information
2. ESD observe handling precautions
3. DIP-22C is for GRO1090D; SP-22 is for GRO1090S



DIP-22C

1.N/C 2,5,6.Case GND
 3.P_O 4.V_{CC}



SP-22

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