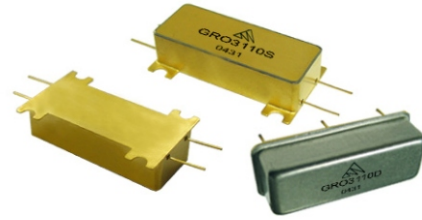


Features

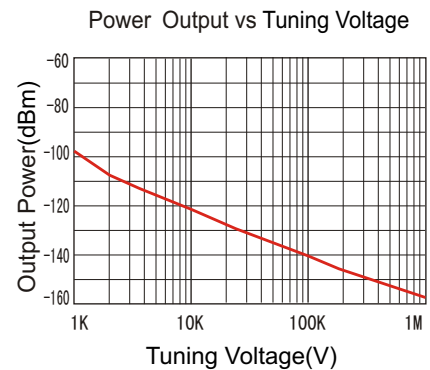
- Coaxial ceramic resonator
- Ultra low phase noise high stability
- Built-in buffer amplifier low frequency pulling
- Thin film hybrid construction small size
- Hermetic package (DIP-22C ; SP-22)
- Operating temperature range: -55°C ~ +85°C



Specifications (TA=25°C, VCC=+12V)

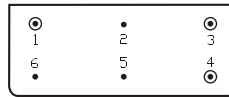
Parameter	Symbol	Unit	Guaranteed	Typical	Test Condition
Frequency Range	$f_L \sim f_H$	MHz	—	3110	—
Power Output	P_o	dBm	≥ 10	12	—
Power Output Variation	ΔP_o	dB	—	± 1.0	TA: -55 ~ +85°C
Pushing	K_{VC}	MHz/V	—	0.1	VCC=11 ~ 13V
Spurious	R_{fs}	dBc	≤ -75	—	—
Harmonics	R_{fn}	dBc	—	-25	—
SSB Phase Noise	S_{ϕ}	dBc/Hz	—	-121	Fm=10KHz
Frequency Drift	Δf	MHz	—	4	TA: -55 ~ +85°C
Current	I_{CC}	mA	—	70	—

Typical Performance

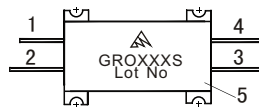


Absolute Ratings

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



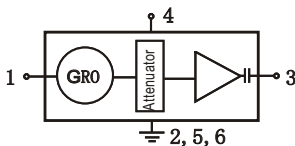
DIP-22C



SP-22

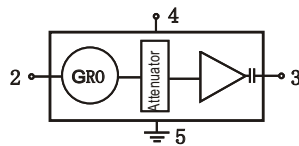
Application Notes

1. See assembly section for mounting information
2. ESD observe handling precautions
3. DIP-22C is for GRO3110D; SP-22 is for GRO3110S



DIP-22C

1.N/C 2,5,6.Case GND
 3.Po 4.Vcc



SP-22

1,2.N/C 3.Po
 4.Vcc 5.Case GND