

Voltage Controlled Oscillator

RS130AM

Optimized Band 125 to 135MHz

Rev. A

Features

- Low phase noise
- Linear tuning characteristics
- Low pushing / Low pulling
- Aqueous washable

Applications

- Broadcast
- VHF radio
- Wireless Telemetry
- Test Instrument - Signal Generation

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	125		135
Output Power	dBm		+11.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-113	
@100kHz offset			-133	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		5	
2nd Harmonic Suppression	dBc		-30	
Power Supply (Vcc) Voltage	Vdc		5	
Current	mA		15	
Pushing Figure	MHz/V		0.2	
Pulling Figure	MHz		1	
Input Capacitance	pF		330	
Operating Temp. Range	°C	-40		+85

Dimensions

