

Voltage Controlled Oscillator

RS170AM

Rev. A

Optimized Band 160 to 180MHz

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	160		180
Output Power	dBm		+3.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-103	
	@100kHz offset		-123	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		12	
2nd Harmonic Suppression	dBc		-25	
Power Supply (Vcc)	Voltage	Vdc	4.75	
	Current	mA	8	
Pushing Figure	MHz/V		0.5	
Pulling Figure	MHz		0.5	
Input Capacitance	pF		330	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions

