

Voltage Controlled Oscillator

RS731AM

Optimized Band 713 to 748 MHz

Rev. A

Features

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

Applications

- Base station
- Cable TV
- Satellite Communications
- UHF radio link

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	713		748
Output Power	dBm		5.5	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-112	
	@100kHz offset		-132	
Tuning Voltage (Vt)	Vdc	+1		+4
Tuning Voltage Sensitivity (Kv)	MHz/V		31	
2nd Harmonic Suppression	dBc		-14	
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	22	
Pushing Figure	MHz/V		1	
Pulling Figure	MHz		1	
Input Capacitance	pF		100	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions

