

Voltage Controlled Oscillator

RS443AM

Optimized Band 435 to 451 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	435		451
Output Power	dBm		0.0	
Output Impedance	Ω		50	
Phase Noise @10kHz offset	dBc/Hz		-120	
@100kHz offset			-140	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		8	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc) Voltage	Vdc		4.7	
Current	mA		15	
Pushing Figure	MHz/V		0.1	
Pulling Figure	MHz		0.2	
Input Capacitance	pF		100	
Operating Temp. Range	°C	-40		+85

Dimensions

