

Voltage Controlled Oscillator

RS450AM

Optimized Band 440 to 460 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	440		460
Output Power	dBm		5.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset	dBc/Hz	-115	
	@100kHz offset		-135	
Tuning Voltage (Vt)	Vdc	+0.5		+4.5
Tuning Voltage Sensitivity (Kv)	MHz/V		13	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	27	
Pushing Figure	MHz/V		0.5	
Pulling Figure	MHz		0.3	
Input Capacitance	pF		100	
Operating Temp. Range	°C	-40		+85

Dimensions

