

Voltage Controlled Oscillator

RS1840AM

Optimized Band 1710 to 1970 MHz

Rev. A

Features

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

Applications

- SATCOM
- Receiver
- Test Equipment
- Radar
- Point-to-Point
- Radio
- MMDS
- WiMax

Electrical Characteristics



Parameter	Units	Min	Typ	Max
Operating Frequency Range	MHz	1710		1970
Output Power	dBm		7.0	
Output Impedance	Ω		50	
Phase Noise	@10kHz offset		-107	
	@100kHz offset		-127	
Tuning Voltage (Vt)	Vdc	+1		+12
Tuning Voltage Sensitivity (Kv)	MHz/V		35	
2nd Harmonic Suppression	dBc		-15	
Power Supply (Vcc)	Voltage	Vdc	5	
	Current	mA	26	
Pushing Figure	MHz/V		1	
Pulling Figure	MHz		10	
Input Capacitance	pF		47	
Operating Temp. Range	$^{\circ}\text{C}$	-40		+85

Dimensions



PACKAGE DRAWING : VA16-L