

H01082

915 MHz SAW OSCILLATOR

- FREQUENCY STABILIZED BY QUARTZ SURFACE ACOUSTIC WAVE RESONATOR
- LOW POWER CONSUMPTION
- RUGGED, MINIATURE, METAL, HERMETIC DUAL INLINE PACKAGE

PARAMETER	MIN	TYP	MAX	UNITS
<u>RF Output Parameters:</u>				
Nominal Output Frequency		915.0		MHz
Frequency (Overall) ¹	914.55		915.30	MHz
Frequency (Set-on) ²	914.75		915.25	MHz
RF Output Power	+10			dBm
2nd Harmonic Spurious Output ²			-15	dBc
3rd & Higher Harmonic Outputs ²			-30	dBc
Nonharmonic Spurious Outputs ^{2,3}			-60	dBc
<u>RF Load Parameters:</u>				
Nominal Load Impedance		50		Ω
Operating Load VSWR ¹			2	-
<u>Power Supply Parameters:</u>				
Supply Voltage ¹	11.6	12.0	12.4	VDC
Supply Current		30	35	mA
<u>Ambient Temperature:</u>				
Operating ¹	-20		+70	°C
<u>Mechanical Dimensions:</u>				
Length			.800	inch
Width			.500	inch
Height (excluding pins)			.250	inch
<u>I/O Connections:</u> (8 pins in a 14 pin DIP configuration)				
Supply:	pin 1,5,8			
RF Out:	pin 4			
Ground:	pins 2,3,6,7			

Notes:

1. The frequency tolerance shall be maintained over the specified operating ranges of temperature, supply voltage, and load VSWR.
2. Under the nominal conditions of 50 Ω load impedance, specified nominal power supply voltage, and +25°C ambient temperature.
3. The spurious output specifications do not apply to spurious sidebands due to noise entering via the power supply port.
4. Specifications are subject to change without notice.

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