

Time and Frequency

Rubidium Oscillator for Models 9000 & 9000S

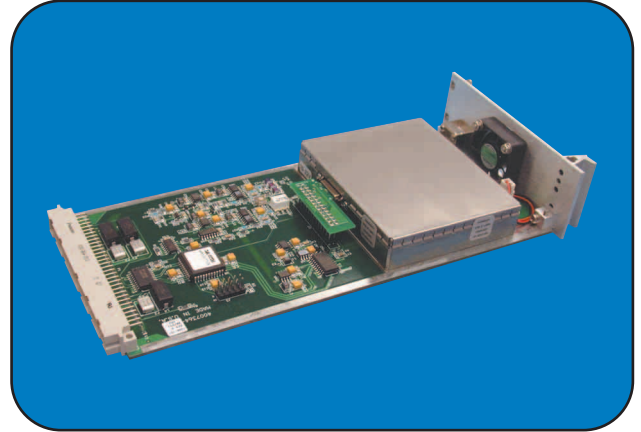
Model: 9018



Application - Defense (Military) ■ SatCom ■ Wireless

Description:

The Model 9018 rubidium oscillator effectively replaces the Model 9000 internal OCXO oscillator and provides a precise reference for applications requiring long holdover times. Discipline is from the Model 9000 synchronizer (GPS required). A buffered rubidium oscillator 10 MHz output is provided.



Specifications:

Accuracy, <math><1 \times 10^{-11}</math>, One Hour Averaging
 With GPS: <math><1 \times 10^{-12}</math>, One Day Averaging
 (Frequency Domain)

Accuracy, 50 - 100 ns
 With GPS:
 (Time Domain)

Aging Rate, <math><1 \times 10^{-11}</math>/Day at +25° C, ± 3°
 (No GPS): <math><2 \times 10^{-11}</math>/Month at +25° C, ± 3°

Holdover: ≤ 5 - 10 μsec/Week After 72 Hours of Discipline

10 MHz: 1.0 Vrms Into 50Ω
 Output Level

Connector: BNC Female

Panel Space: Two High

10 MHz Phase Noise	
10 Hz	-100 dBc
100 kHz	-125 dBc
1 kHz	-140 dBc
10 kHz	-145 dBc
100 kHz	-145 dBc

Specifications subject to change without notice.