

CRYSTAL OSCILLATORS

OVEN CONTROLLED CRYSTAL OSCILLATORS 9100 SERIES

Model 9168A

■ Main applications: Communications equipment,
Measuring instruments.

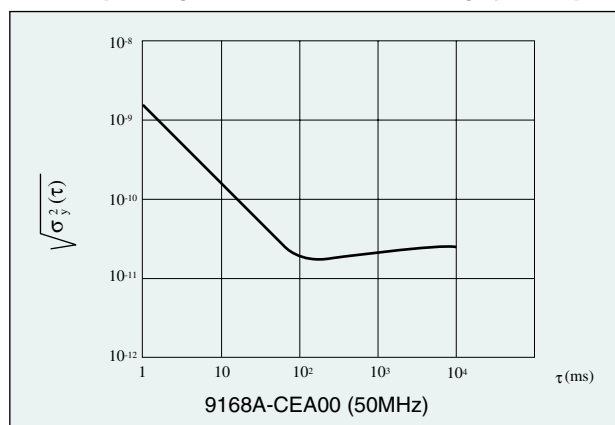
■ Features • Wide frequency range.

■ Specification

Model			9168A				
Item	Measuring Condition	Spec. Code	BEA00	CEA00		QEA00	
Nominal Frequency Range (MHz)			10~15	15~30	30~55	55~110	110~165 165~200
Supply Voltage			-15VDC				
Power Consumption			10W max				
Output Level			10 ~ 16mW (+10~-+12dBm)			0.63 ~ 1.58mW (0dBm±2dB)	
Load			50Ω				
Operating Temp. Range			0~+50°C				
Operable Temp. Range			-10~-+60°C				
Frequency Stability	Short-term Stability	Δ f/f (2, τ) 1sec.	5×10 ⁻¹⁰ max				
	Aging	After 48H operation	±5×10 ⁻⁹ max/day		±1×10 ⁻⁸ max/day		
		After 10 days operation	±5×10 ⁻⁸ max/year		±1×10 ⁻⁷ max/year		
	Temp. Charact.	0~+50°C	±3×10 ⁻⁸ max				
	Supply Volt Change	-15V±10%	±2×10 ⁻⁸ max				
	Load Change	50Ω±10%	±1×10 ⁻⁸ max				
	Vibration	Tot amp. 1.5mm Freq. 10~55Hz 3planes/30minutes each	±5×10 ⁻⁸ max				
Shock	Natural Drop from 5cm height, 3planes/3times each	±5×10 ⁻⁸ max					
Frequency Trim Range		By Internal trimmer	±5×10 ⁻⁷ min				
Case Code			68A				

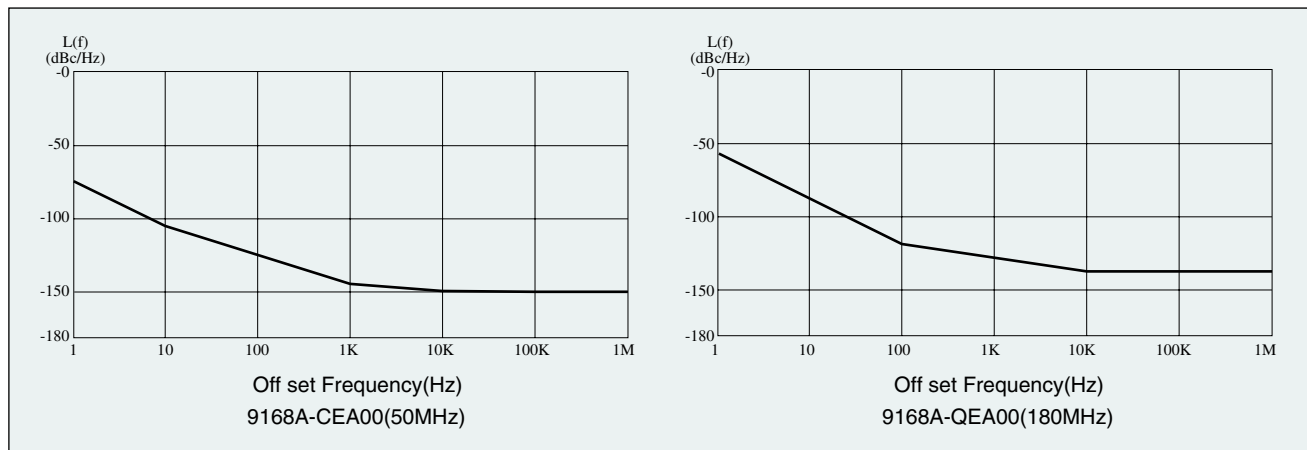
If you need NON-standard spec., please contact us.

■ Frequency Short Term Stability (example)

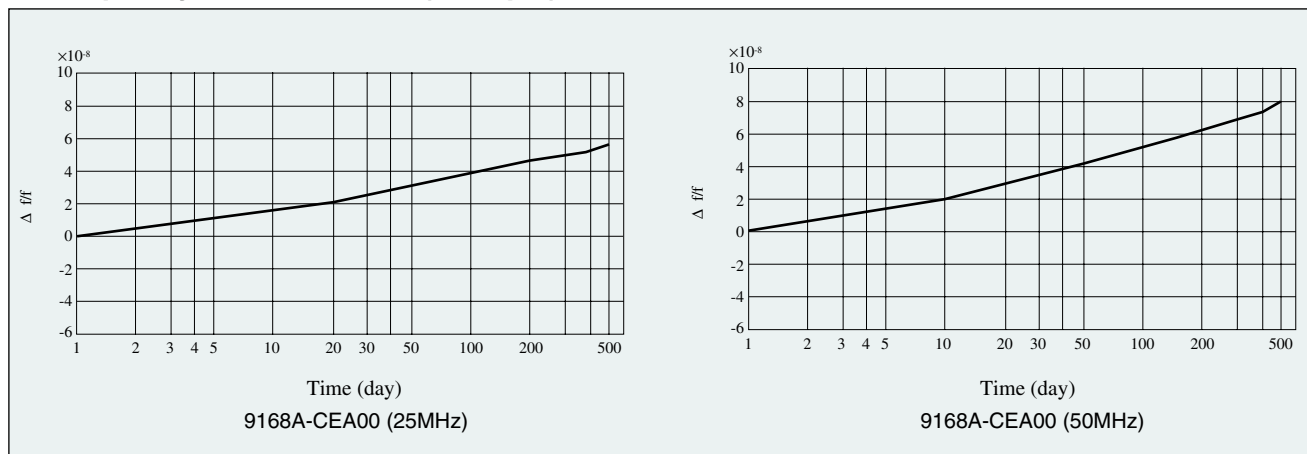


OVEN CONTROLLED CRYSTAL OSCILLATORS 9100 SERIES

■ Phase Noise Characteristics (example)



■ Frequency Characteristics (example)



■ Dimensions

