

NEW

OVEN CONTROLLED CRYSTAL OSCILLATORS 9300 SERIES

Model 9325C

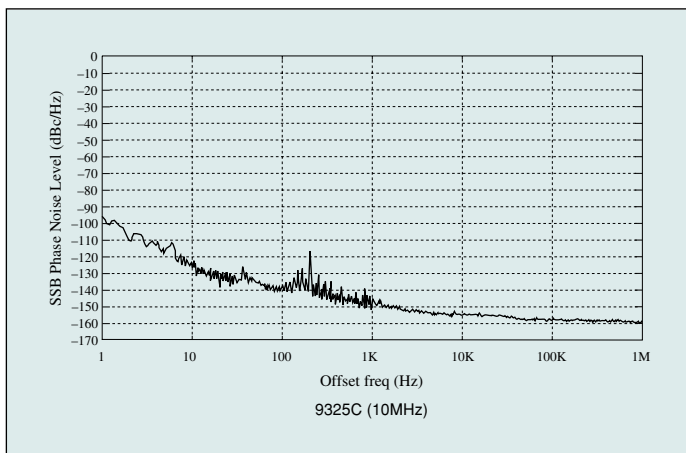
- Main applications : Mobile communication system
- Features
 - Excellent aging (1×10^{-8} max/day, 1×10^{-7} max/year)
 - Excellent phase noise characteristics

Specification

Item		Measuring Condition	Model
			9325C
Standard Nominal Frequency (MHz)			10, 13
Supply Voltage			DC+5V
Power Consumption			3W max, At steady state +25°C 1.3W max
Output Level			HCMOS
Load			HCMOS
Duty Cycle (1/2 Vcc)			40~60%
Operating Temp. Range			-20~+70°C
Frequency Stability	Frequency Warm-up Charact.	3minutes after power-on at +25°C	$\pm 5 \times 10^{-8}$ max
	Short-term Stability	$\Delta f/f$ (2, τ) $\tau = 1s$ Average	5×10^{-10} max
	Aging		$\pm 1 \times 10^{-8}$ max/day (*1), $\pm 1 \times 10^{-7}$ max/year (*2)
	Temp. Charact.	-20~+70°C	$\pm 2 \times 10^{-8}$ max
	Supply Volt Change	+5V $\pm 5\%$	$\pm 5 \times 10^{-9}$ max
Frequency Trim Range		$\pm 0 \sim +5V$	$\pm 1.0 \times 10^{-6}$ min
Polarity			Positive
Phase Noise			1Hz OFFSET -80dBc/Hz 10Hz OFFSET -120dBc/Hz 100Hz OFFSET -140dBc/Hz 1kHz OFFSET -145dBc/Hz 10kHz OFFSET -150dBc/Hz

Note: *1 ... After 48 hours operation
 *2 ... After 10 days operation

Phase Noise Characteristics (example)



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■ Dimensions

