

CRYSTAL OSCILLATORS

OVEN CONTROLLED OSCILLATORS 9100 SERIES

■ Model 9170C

- Main applications : Mobile communication system
- Features
 - Low profile (Height 9.2mm max)
 - Excellent phase noise characteristics, improved by 10dB at OFFSET frequency 1kHz min compared with current NDK model.

■ Specification

Item \ Measuring Condition		Model	9170C
Standard Nominal Frequency (MHz)			5
Operating Temp. Range			0~+60°C
Supply Voltage			+5VDC±5%
Current Consumption			10W max
Output Voltage			VOL: +0.4V max V _{OH} : +2.4V min
Fanout			N-TTL2
Aging	After 10days operation		±1×10 ⁻⁹ max/day ±5×10 ⁻⁸ max/year
Frequency Temp. Charact.	0~+60°C		±1.5×10 ⁻⁸ max
Frequency Supply Volt Change	+5V±0.25V		±5×10 ⁻⁹ max
Frequency Trim Range	+0.5~+4.5V		±1×10 ⁻⁷ min
Phase Noise			1Hz OFFSET -100dB/Hz max 10Hz OFFSET -120dB/Hz max 100Hz OFFSET -130dB/Hz max 1kHz OFFSET -135dB/Hz max 10kHz OFFSET -135dB/Hz max
Frequency Warm-up Charact.	30minutes after power on, +25°C		±1×10 ⁻⁸ max
Case Code			70C

■ Dimensions

