

Oscillator · JCO · 3.3 V

Pin Type Oscillator

- soldering temperature: 260 °C max.
- metal package





General Data

type		JC08 / JC014 3.3 V	
frequency range		1.0 ~ 160.0 MHz (15pF max.)	
		1.0 ~ 50.00 MHz (15pF~30pF max.)	
frequency stability over all current consumption		± 15ppm ~ ± 100ppm (table 1) see table 2	
temperature	operating	-10 °C ~ +70 °C / -40 °C ~ +85 °C	
	storage	-55 °C ~ +125 °C	
output	rise & fall time	see table 3	
	load max	15pF / 30pF	
	current max.	8mA	
	low level max.	+0.5 V	
	high level min.	V _{DC} -0.5 V	
output enable time max.		10ms	
output disable time max.		100ns	
start-up time max.		10ms	
standby function		optional	
phase jitter 12 kHz ~ 20.0 MHz		< 1.0ps RMS	
symmetry at 0.5 x V _{DC}		45% ~ 55% typ. (40% ~ 60% max.)	

Table 1: Frequency Stability Code

stability code	A	В	G	C	D	E
	± 100 ppm	± 50 ppm	± 30 ppm	± 25 ppm	± 20 ppm	± 15 ppm
-10 °C ~ +70 °C	0	•	0	0	0	0
-40 °C ~ +85 °C	•	0	0	0		
• standard O on request						

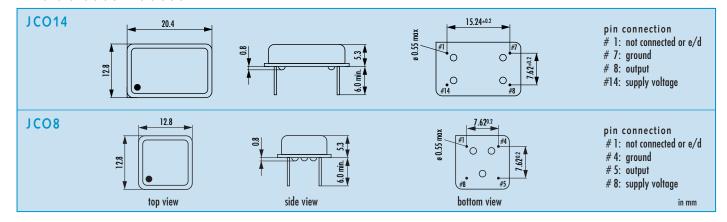
Table 2: Current Consumption max.

Current at 15pF load:	Current at 30pF load:
1.0 ~ 29.9 MHz 10 mA 30.0 ~ 49.9 MHz 15 mA 50.0 ~ 89.9 MHz 30 mA 90.0 ~ 124.9 MHz 45 mA 125.0 ~ 160.0 MHz 60 mA	1.0 ~ 29.9 MHz 20 mA 30.0 ~ 50.0 MHz 35 mA

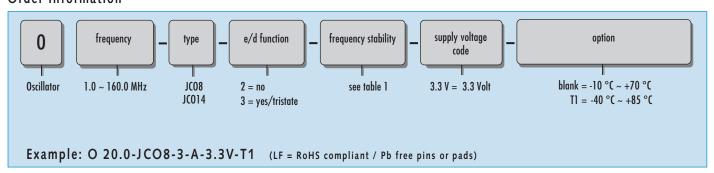
Table 3: Rise & Fall Time max.

6.0 ns: 1.0 ~ 49.9 MHz 5.0 ns: 50.0 ~ 79.9 MHz 4.0 ns: 80.0 ~ 99.9 MHz 3.0 ns: 100.0 ~ 160.0 MHz	note: - specific data on request - rise time: $0.1 \ V_{DC} \sim 0.9 \ V_{DC}$ - fall time: $0.9 \ V_{DC} \sim 0.1 \ V_{DC}$

Dimensions JCO14 / JCO8



Order Information





Oscillator · JCO · 3.3 V

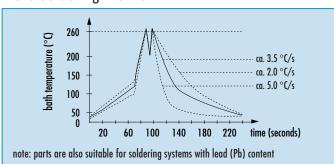
Enable / Disable Function

pin #1	pin #3
open or high	oscillation
gnd or low	high impedance

Marking

type frequency company code / date code

Wave Soldering Profile



Preferred Type

JC08-3-B-3.3 JC014-3-B-3.3

Packaging

JC08-3-B packed in antistatic plastic tubes, 40 pcs
JC014-3-B packed in antistatic plastic tubes, 25 pcs

