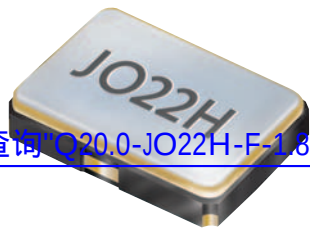


Oscillator · JO22H · 1.8 V

查询"O20.0-JO22H-F-1.8-1-T1"供应商



actual size

High Stability Oscillator with Stop Function · 2.5 x 2.0 mm

- low cost high stability SMD oscillator
- stability meets spec for WiMax and WLAN
- RoHS compliant, ceramic/metal package
- reflow soldering temperature: 260 °C max.



General Data

type	JO22H 1.8V
frequency range	4.0 ~ 54.0 MHz (15pF max.)
frequency stability over all*	± 10ppm ~ ± 20ppm (table 1)
current consumption	3 mA max.
supply voltage V_{DC}	1.8 V ±5%
temperature	operating: -20°C ~ +70°C / -40°C ~ +85°C storage: -40°C ~ +85°C
output	rise & fall time: 5 nsec max. load max: 15pF current max.: 4 mA low level max.: $0.1 \times V_{DC}$ high level min.: $0.9 \times V_{DC}$
output enable time max.	10 ms
output disable time max.	250ns
start-up time max.	10 ms
standby function	stop
standby current max.	10 µA
phase jitter 12kHz~20MHz	< 3.0 ps RMS typ.
symmetry at 0.5 x VDC	45% ~ 55% max.

Table 1: Frequency Stability Code

stability code	D	E	F		
	± 20 ppm	± 15 ppm	± 10 ppm		
-20 °C ~ +70 °C	○	○	○		
-40 °C ~ +85 °C	○	○	○		
○ available					

* includes stability at 25°C, operating temp. range, supply voltage change, load change, vibration, aging 1st year

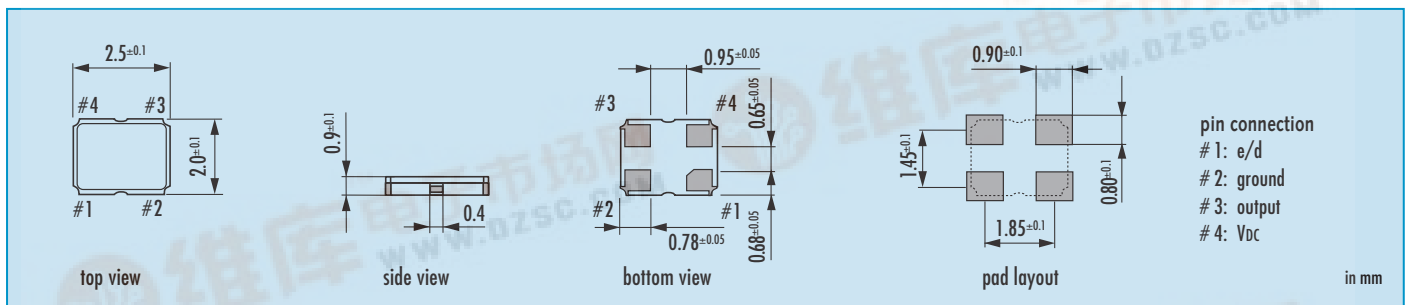
Table 2: Rise & Fall Time max.

5 ns: 4.0 ~ 54.0 MHz	note: - specific data on request - rise time: $0.1 V_{DC} \sim 0.9 V_{DC}$ - fall time: $0.9 V_{DC} \sim 0.1 V_{DC}$
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Enable / Disable Function

pin #1 (e/d control)	pin #3 (output)
open	active
high "1" ($V_{IH} \geq 0.7 V_{DC}$)	active
low "0" ($V_{IL} \leq 0.3 V_{DC}$)	high impedance
stop function: • oscillator stops / • output high impedance	

Dimensions



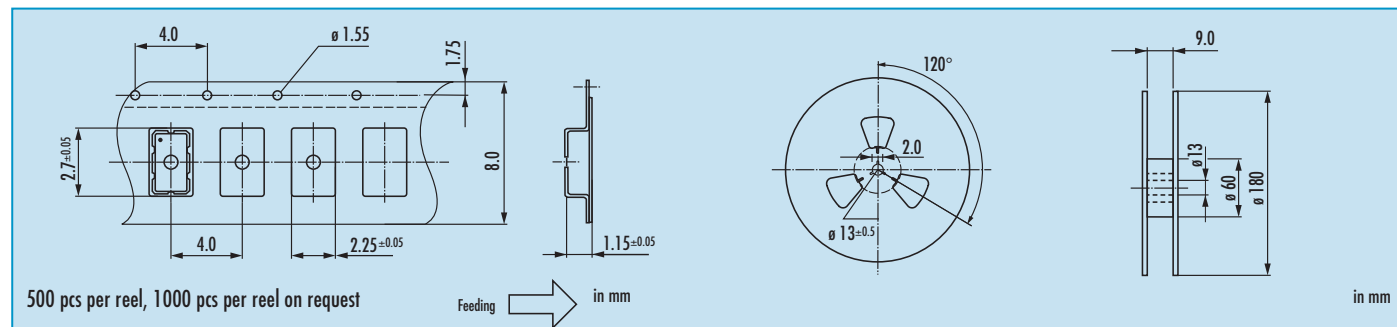
Order Information

0	frequency	type	frequency stability code	supply voltage code	output load code	option
Oscillator	4.0 ~ 54.0 MHz	JO22H	see table 1	1.8 = 1.8 V	1 = 15 pF	blank = -20°C ~ +70°C T1 = -40°C ~ +85°C
Example: O 20.0-JO22H-F-1.8-1-T1 (LF = RoHS compliant / Pb free pins or pads)						

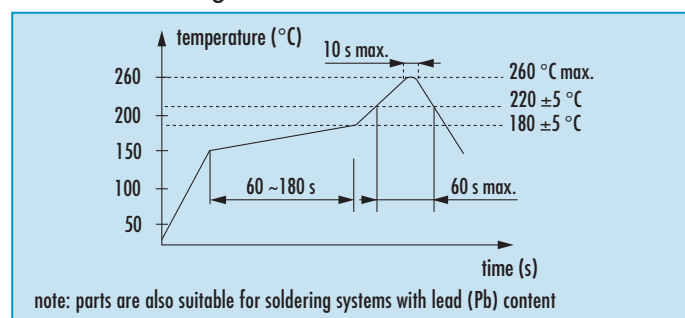
Oscillator · JO22H · 1.8 V · Low Power

[查询"Q20.0-JO22H-F-1.8-1-T1"供应商](#)

Taping Specification



Reflow Soldering Profile



Marking

frequency	
J / stability code / date code	
date code:	
A ~ M: Jan.- Dec.	
9: 2009	
0: 2010	
1: 2011	

Jan.	Febr.	Mar.	Apr.	May	June
A	B	C	D	E	F
July	Aug.	Sept.	Oct.	Nov.	Dec.
G	H	J	K	L	M

Packing Note

- standard packing units are 500 pieces per reel
- non-multiple packing units are only supplied taped / bulk

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