

WU18 Series SMD Oscillators



- Military Industry Standard Package
- 1.8Vdc Supply Voltage.
- HCMOS/TTL Output.

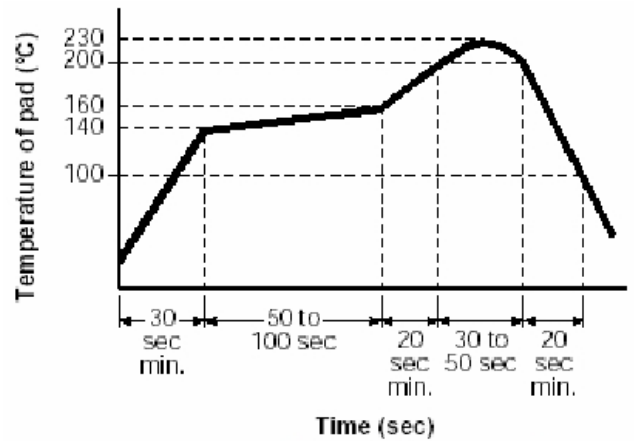


General Data

type	WU18	
frequency range	0.50 ~ 160.0 MHz (15pF max.)	
	0.50 ~ 50.0 MHz (30pF max.)	
frequency stability over all	± 20ppm ~ ± 100ppm	
current consumption	See table 1	
supply voltage V _{DC}	1.8V ± 5%	
	temperature	
	operating	-55 °C ~ +125 °C
	storage	-55 °C ~ +125 °C
output	rise & fall time	4-8ns
	load max	15pF / 30pF
	current max.	2mA / 2.8mA
	low level max.	0.1 x V _{DC}
	high level min.	0.9 x V _{DC}
output enable time max.	10ms	
output disable time max.	250ns	
start-up time max.	10ms	
standby function	stop	
standby current max.	10µA	
phase jitter 12 kHz ~ 20.0 MHz	< 1.0ps RMS	

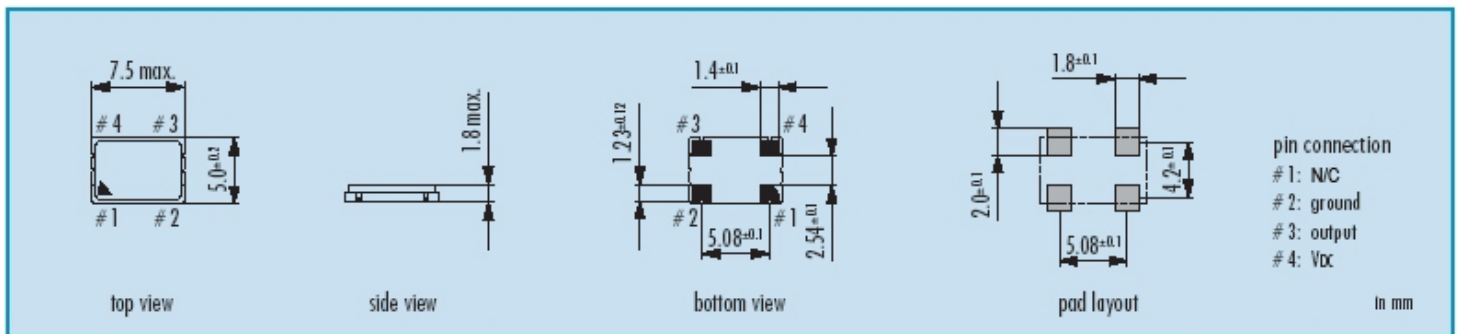
Table 1: Current Consumption max.

Current at 15pF load			Current at 30pF load		
0.5 ~ 19.9 MHz	5 mA		0.5 ~ 19.9 MHz	7 mA	
20.0 ~ 49.9 MHz	8 mA		20.0 ~ 50.0 MHz	10 mA	
50.0 ~ 79.9 MHz	15 mA				
80.0 ~ 124.9 MHz	25 mA				
125.0 ~ 160.0 MHz	35 mA				



Recommended Reflow Soldering Profile

Dimensions



Order Information

Part Numbering Guide

