

# WG Series SMD Oscillators



- Military Industry Standard Package
- 3.3Vdc or 5.0Vdc Supply Voltage.
- HCMOS/TTL Output.



RoHS compliant



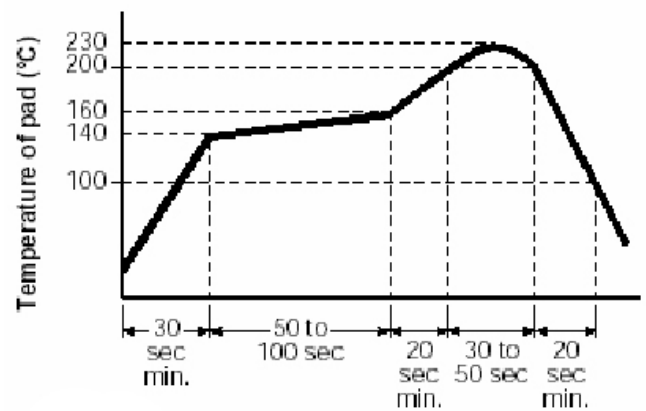
Pb free: pins/pads

## General Data

type		WG
Frequency range		0.50 ~ 160.0 MHz (3.3Vdc) 0.50 ~ 100.0 MHz (5.0Vdc)
Frequency stability over all		± 20ppm ~ ± 100ppm
Current consumption		See table 1
Supply voltage V <sub>DC</sub>		3.3V or 5.0V ± 10%
Temperature	operating	-55 °C ~ +125 °C
	storage	-55 °C ~ +125 °C
Output	rise & fall time	4-10ns
	load max.	15pF / 30pF
	current max.	8mA
	low level max.	0.40V
	high level min.	V <sub>DC</sub> -0.40V
Output enable time max.		10ms
Output disable time max.		250ns
Start-up time max.		10ms
Aging		1ppm/ year
Symmetry		45~55% typ.
Phase jitter 12 kHz ~ 20.0 MHz		< 1.0ps RMS

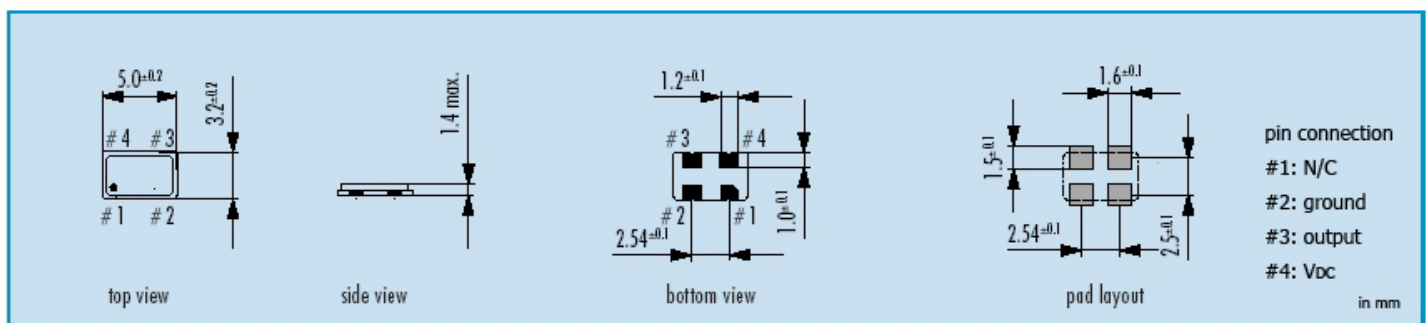
Table 1: Current Consumption max.

Current at 15pF load (3.3Vdc)			Current at 15pF load (5.0Vdc)		
0.5 ~	19.9 MHz	7mA	0.5 ~	19.9 MHz	15mA
20.0 ~	49.9 MHz	20mA	20.0 ~	49.9 MHz	35mA
50.0 ~	79.9 MHz	25mA	50.0 ~	79.9 MHz	50mA
80.0 ~	124.9 MHz	30mA	80.0 ~	99.9 MHz	60mA
125.0 ~	160.0MHz	40mA			



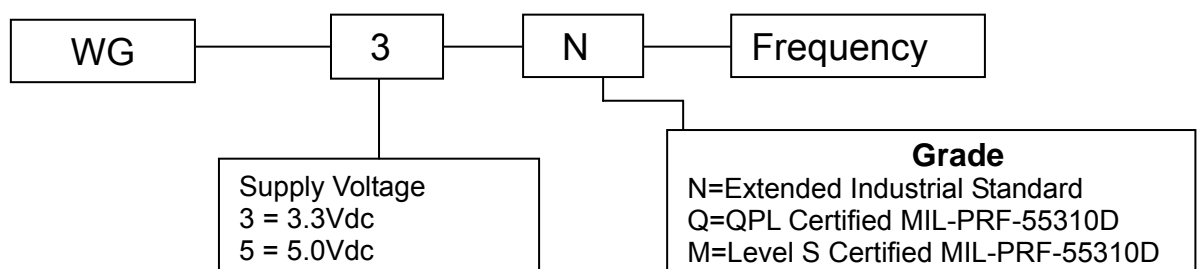
Recommended Reflow Soldering Profile

## Dimensions



## Order Information

### Part Numbering Guide



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