



# VCXO-S511

1. Specification	
Nominal frequency @ $U_C = 1.65V$ , $T = 25 \pm 3^\circ C$ :	74.250MHz; 74.1758MHz
Overall frequency stability including: adjustment tolerance @ $+25^\circ C$ : temperature stability from $0^\circ C$ to $+70^\circ C$ , supply voltage variation $U_B \pm 5\%$ , load variation $\pm 5\%$ , aging 1st year	< $\pm 45$ ppm < $\pm 18$ ppm < $\pm 17$ ppm < $\pm 5$ ppm < $\pm 2$ ppm < $\pm 3$ ppm
Frequency pulling range :	> $\pm 95$ ppm, < $\pm 150$ ppm
Control voltage $U_C$ :	0.3 V to 3.0 V
Transfer function / Linearity :	Positive / < 10%
Control voltage input impedance:	$\geq 50$ kOhm
Frequency Modulation: (-3dB cut off frequency)	> 10 kHz
Supply voltage $U_B$ :	3.3 V $\pm 5\%$
Current consumption (over operating temp. range) :	< 50mA
Output voltage: duty cycle : load:	LVHCMOS 45 / 55 % 1kOhm // 15pF
Jitter (12kHz to 1MHz):	< 6ps rms
TriState function:	Logic low: Disable Logic high or not connected: Enable
Temperature ranges Operating: Storage:	$0^\circ C$ to $+70^\circ C$ $-45^\circ C$ to $+85^\circ C$

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1		24.02.05	M. Zupan	
D	Description	Date	Name	



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## 2. Environmental conditions

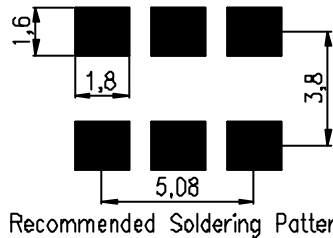
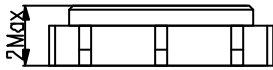
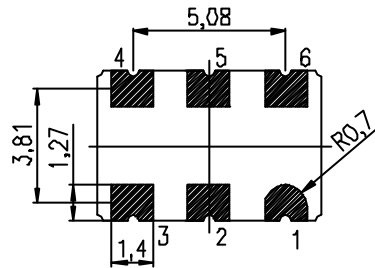
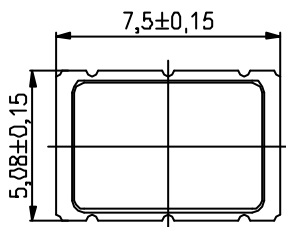
According to KVG Product Qualification Procedure AA-QM-200

## 3. Marking

Manufacturer's name, date code(week/year); Specification; Center frequency

## 4. Case

Case style: BF-189-2.0C



### 1.Pin configuration

1. Control voltage  $V_C$
2. Tri State
3. Ground, Case
4. RF-output
5. N.C.
6. Supply voltage  $V_B$

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