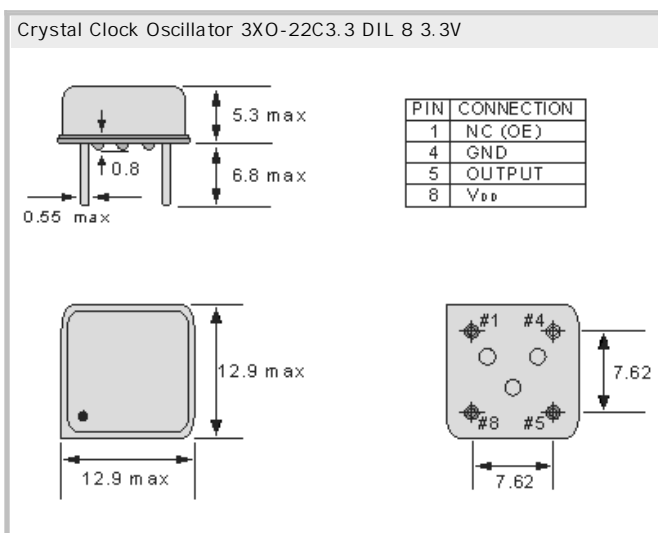




Crystal Clock Oscillator 3XO-22C3.3 DIL 8 3.3V

- micro-processor clocks
- ultra compact metal package
- CMOS/TTL Square Wave
- Available in many standard and special frequencies
- packed in antistatic tubes
- RoHS conform; Lead-free product



## Specifications

|   |   |
|---|---|
| Holder Type:  | Crystal Clock Oscillator 3XO-22C3.3 DIL 8 3.3V  |
| Frequency:  | 83.300000 MHz   |
| Frequency Stability at 25°C:                          | ± 50.0 ppm  |
| Operating Temperature Range:                          | ± 50.0 ppm over -40°C to +85°C (inclusive of 25°C tolerance, ±10% input voltage variation, load change, aging, shock and vibration) |
| Storage Temperature:                                  | -50°C to +100°C   |
| Power Supply Voltage (V <sub>DD</sub> ):              | + 3.3V D.C. ± 10%   |
| Maximum Supply Current:                               | 45.0 mA max.  |
| Output Load CL:                                       | 2 - 10 (LS) TTL gates, 15 pF HCMOS  |
| Output Symmetry (Duty Cycle):                         | 40/60%  |
| Output Voltage (V <sub>OH</sub> ) (V <sub>OL</sub> ): | 90% of V <sub>DD</sub> min. / 10% of V <sub>DD</sub> max.   |
| Rise/Fall Time (10% to 90% V <sub>DD</sub> ):         | 10 ns max. < 5 ns typical   |
| Start Up Time:  | 10 ms max. < 5 ms typical   |
| Aging:  | < ± 5ppm max. / year (max.)   |
| Moisture sensitivity level:                           | MSL= 1 per IPC/JEDEC J-STD-020 C  |

### GERMANY:

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