



Crystal Clock Oscillator 3XO-22C5.0 DIL 8 5.0V

- 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-22C5.0 DIL 8 5.0V   |
| Frequency:  | 4.000000 MHz   |
| Frequency Stability at 25°C:                          | ± 50.0 ppm   |
| Operating Temperature Range:                          | ± 50.0 ppm over ±0°C to +70°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> ):              | + 5.0V D.C. ± 10%  |
| Maximum Supply Current:                               | 10.0 mA  |
| 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  |
| Moisture sensitivity level:                           | MSL= 1 per IPC/JEDEC J-STD-020 C   |
| Aging:  | < ± 5ppm max. / year (max.)  |

### GERMANY:

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