

MQDC and MQDT Series

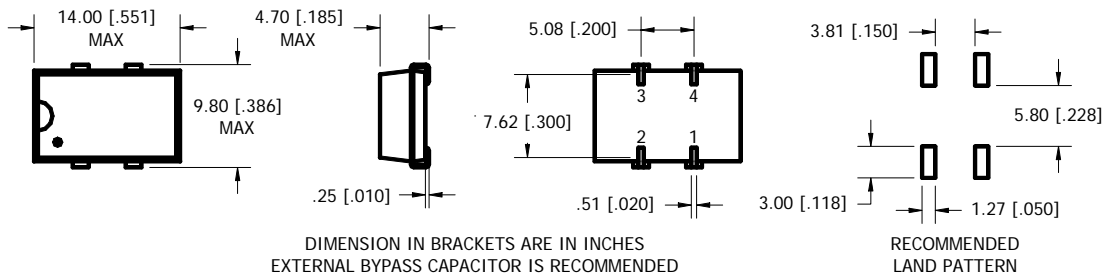


- Same Day Shipping Available
- Plastic 4 J-Lead Package
- Tri-state Function
- Tape and Reel Package Available

ELECTRICAL SPECIFICATIONS:

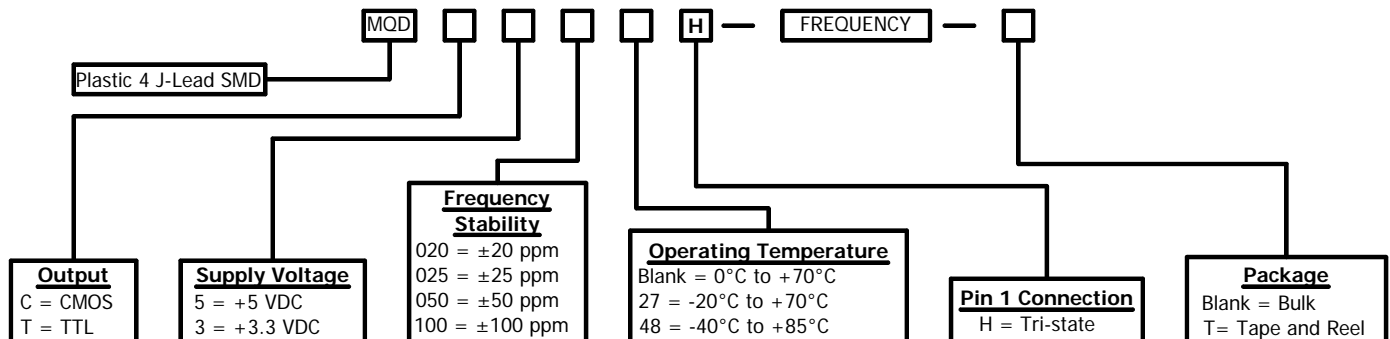
| | | | | |
|--|------------------------|--|----------------------------|---------------|
| Frequency | 1.000MHZ to 125.000MHZ | | | |
| Frequency Stability (Inclusive of Temperature, Load, Voltage, and Aging) | See Part Number Guide | | | |
| Aging @ +25°C | ±5 ppm per year max | | | |
| Operating Temperature Range | See Part Number Guide | | | |
| Storage Temperature Range | -55°C to +125°C | | | |
| Output Waveform | TTL | | CMOS | |
| Supply Voltage (Vdd) | +3.3 VDC ±10% | +5.0 VDC ±10% | +3.3 VDC ±10% | +5.0 VDC ±10% |
| Supply Current (unloaded) | 25mA | 45mA | 25mA | 45mA |
| Load | 5TTL or 30pF | 10 TTL or 50pF | 15pF | 30pF |
| Logic "0" | 0.4V max | | 0.4V max | |
| Logic "1" | 2.4 V min | | Vdd-0.4V min | |
| Rise/Fall Time | 4nSec max | | | |
| Start Up Time | 10mSec max | | | |
| Duty Cycle | 1.000MHZ to 66.000MHZ | 45%/55% (TTL @ 1.4V Level / Cmos @ 50% Waveform) | | |
| | 66.000MHZ and above | 40%/60% (TTL @ 1.4V Level / Cmos @ 50% Waveform) | | |
| Jitter | 1.000MHZ to 33.000MHZ | 50pSec max (RMS) @ 5.0 VDC | 50pSec max (RMS) @ 5.0 VDC | |
| | 33.000MHZ and above | 30pSec max (RMS) @ 5.0 VDC | 40pSec max (RMS) @ 5.0 VDC | |

MECHANICAL DETAILS:



| PIN CONNECTIONS | |
|-----------------|----------------|
| PIN 1 | TRI-STATE |
| PIN 2 | CASE GROUND |
| PIN 3 | OUTPUT |
| PIN 4 | SUPPLY VOLTAGE |

PART NUMBERING GUIDE:



PLEASE CONSULT WITH MMD SALES DEPARTMENT FOR ANY OTHER PARAMETERS OR OPTIONS

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