

MQTC and MQTT Series

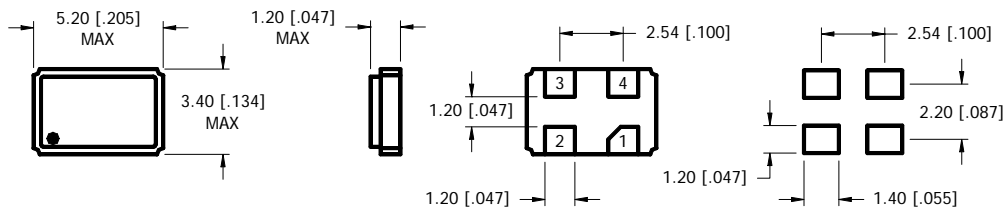


- Same Day Shipping Available
- 3.2 x 5.0 Ceramic SMD
- RoHS Compliant
- Wide Frequency Range

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		
Supply Voltage (Vdd)	+2.5 VDC ±10%	+3.3 VDC ±10%	+5.0 VDC ±10%
Supply Current	1.000MMHZ to 40.000MHZ	14mA max	15mA max
	40.100MHZ to 70.000MHZ	20mA max	22mA max
	70.100MHZ and above	30mA max	30mA max
Load		30pF	10 TTL or 50pF
Output Waveform	TTL		CMOS
Logic "0"	0.4V max		10% Vdd max
Logic "1"	2.4 V min		90% Vdd min
Rise/Fall Time	5nSec max @ 3.3 VDC / 7nSec max 5.0 VDC		
Start Up Time	10mSec max		
Duty Cycle	1.000MHZ to 70.000MHZ	45%/55% (TTL @ 1.4V Level / Cmos @ 50% Waveform)	
	70.100MHZ and above	40%/60% (TTL @ 1.4V Level / Cmos @ 50% Waveform)	
Jitter	25pS (p-p)		

MECHANICAL DETAILS:

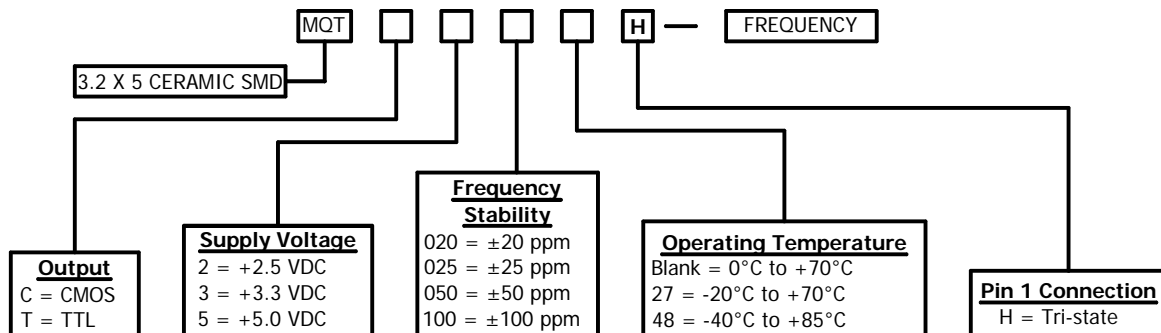


PIN OUTPUT	
PIN 1	TRISTATE
PIN 2	CASE GROUND
PIN 3	OUTPUT
PIN 4	SUPPLY VOLTAGE

DIMENSIONS IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR RECOMMENDED

RECOMMENDED
LAND PATTERN

PART NUMBERING GUIDE:



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

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