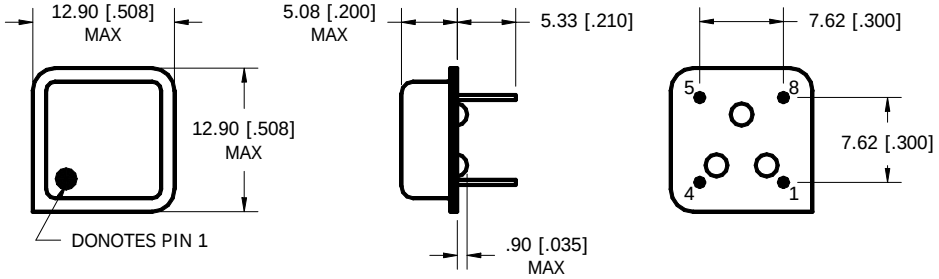
MQBC and MQBT Series

- **Same Day Shipping Available**
- **Half-size (8 pin DIP)**
- **CMOS/TTL Output**
- **Wide Frequency Range**

ELECTRICAL SPECIFICATIONS:

Frequency		1.000MHZ to 150.000MHZ			
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	

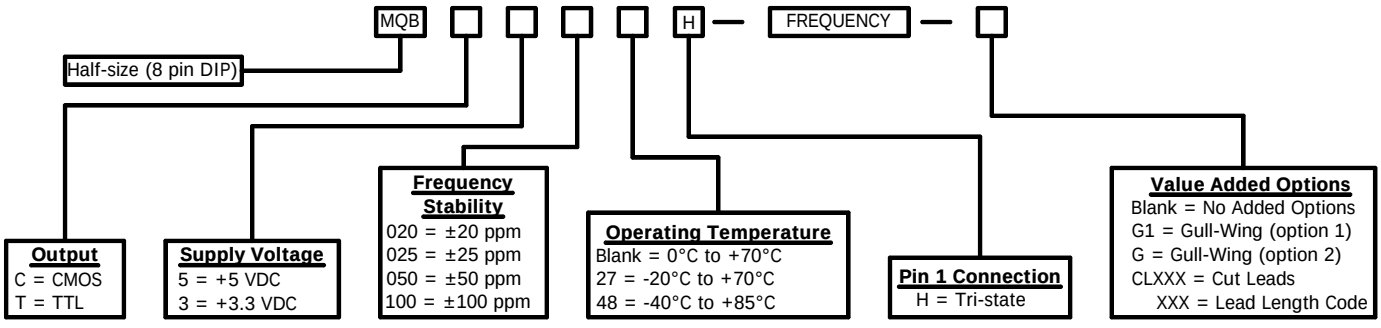
MECHANICAL DETAILS:



PIN CONNECTIONS	
PIN 1	TRI-STATE
PIN 4	CASE GROUND
PIN 5	OUTPUT
PIN 8	SUPPLY VOLTAGE

DIMENSIONS IN BRACKETS ARE IN INCHES
EXTERNAL BYPASS CAPACITOR IS RECOMMENDED

PART NUMBERING GUIDE:



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

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