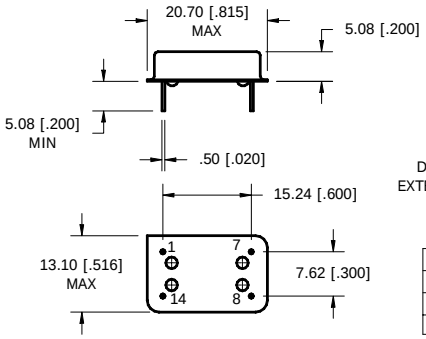
MAC Series

- **Industry Standard Package**
- **RoHS Compliant Available**
- **32.768KHz**
- **CMOS OUTPUT**

ELECTRICAL SPECIFICATIONS:

Frequency Range	32.768KHZ
Frequency Stability (Inclusive of Temperature, Load, Voltage and Aging)	See Part Number Guide
Operating Temperature	See Part Number Guide
Storage Temperature	-55°C to +125°C
Supply Voltage	5.0VDC ±10%
Supply Current	200uA max
Waveform	CMOS
Logic "0"	10% Vdd max
Logic "1"	90% Vdd min
Duty Cycle	See Part Number Guide
Load	10K Ohms // 15pF
Rise / Fall Time 10% to 90% of waveform	1uSec max

MECHANICAL DETAILS:



PIN CONNECTIONS	
PIN 1	N/C OR TRI-STATE
PIN 7	CASE GROUND
PIN 8	OUTPUT
PIN 14	SUPPLY VOLTAGE

DIMENSIONS IN BRACKET ARE IN INCHES
EXTERNAL BYPASS CAPACITOR RECOMMENDED

TRI-STATE OPERATION	
PIN 1	PIN 8
LOGIC "1" OR N/C	OSCILLATION
LOGIC "0" OR GRD	HIGH IMPEDANCE

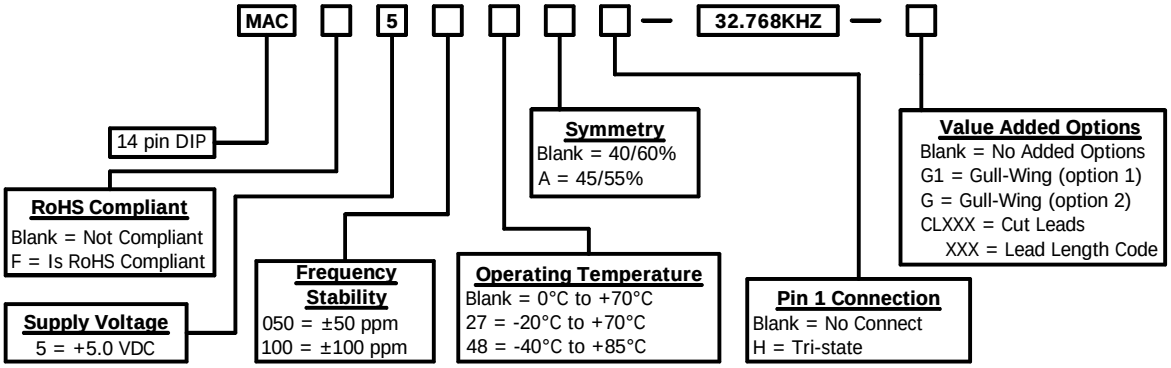
MARKING:

Line 1: MXX.XXX
XX.XXX = Frequency in MHz

Line 2: SYYMML
S = Internal Code
YYMM = Date Code (Year/Month)
L = Denotes RoHS Compliant

Line 3: XXXXX
Internal Manufacture Code

PART NUMBER GUIDE:



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

MMD Components, 30400 Esperanza, Rancho Santa Margarita, CA, 92688
Phone: (949) 709-5075, Fax: (949) 709-3536, www.mmdcomp.com
Sales@mmdcomp.com