

Operating Conditions

OTR vs PPM		Option Code Choices A	
Available Operating Temp. Range		±25PPM	±50PPM
Standard	-0°C to +70°C	A1	B1
Extended	-20°C to +70°C	A2	B2
Industrial	-40°C to +85°C	A3	B3

Marking & Specification Code Format			
Type	Supply Voltage	OTR vs PPM	Frequency
MEM70	Option code B	Option code A	20.000

Storage Temp	-55°C to +125°C
Option Codes	
Supply Voltage	Option Code Choices B
+3.3V DC	33
+3.0V DC	30
+2.8V DC	28
+2.5V DC	25
+1.8V DC	18

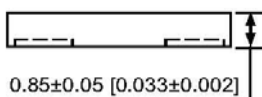
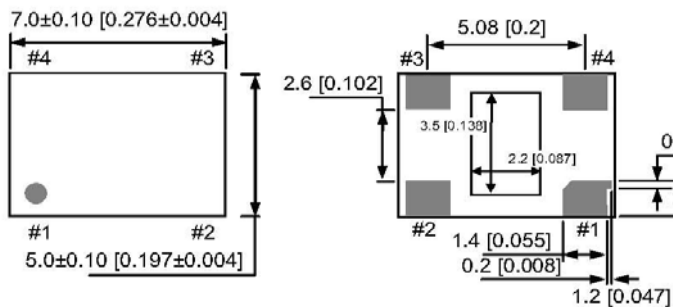
Electrical Characteristics

Parameter	Condition	V _{DD} = +3.3V	V _{DD} = +3.0V	V _{DD} = +2.8V	V _{DD} = +2.5V	V _{DD} = +1.8V
Frequency Stability		See OTR vs PPM options above				
Input Current CL = 0pF RL = ∞ T = 25°C	1.00 to 39.999	3mA Max.	3mA Max.	3mA Max.	3mA Max.	3mA Max.
	40.00 to 79.999	4mA Max.	4mA Max.	4mA Max.	4mA Max.	4mA Max.
	80.00 to 124.999	5mA Max.	5mA Max.	5mA Max.	5mA Max.	5mA Max.
	125.0 to 150.000	6mA Max.	6mA Max.	6mA Max.	6mA Max.	6mA Max.
Standby Current	T = 25°C	1.0µA				
Symmetry	@50% V _{DD} Level	40/60% (45/55% Available)				
Output Voltage	Logic High (V _{OH})	80% V _{DD} Max.				
	Logic Low (V _{OL})	20% V _{DD} Min.				
Rise Time	20% to 80% V _{DD}	1.3nS Max.				
Fall Time	80% to 20% V _{DD}	1.3nS Max.				
Start Up Time	0V to V _{DD}	3mS Max.				
Output Disable Time		20 nS Max.				
Duty Cycle	Symmetry	45:55 %				
Input Voltage	Logic High (V _{IH})	75% V _{DD}				
	Logic Low (V _{IL})	25% V _{DD}				
Solder Temp.		260°C 40 Secs Max.				

Dimensions

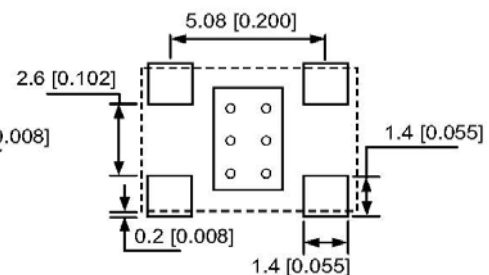
1000pcs/Reel

External Dimensions



No.	Pin Terminal
1	Standby#
2	GND
3	Output
4	VDD

Recommended Land Pattern



Static sensitive device
units: mm [inch]