

SINEWAVE SMD FR4 BASE OSCILLATOR (14.3 x 8.7 x 5.5mm)

FEATURES:

- FR4 based - Suitable for SMD reflow



■ SPECIFICATION																			
FREQUENCY RANGE	6.000MHz to 190.000MHz																		
FREQUENCY STABILITY	±10 ppm to ±100 ppm *																		
OPERATING TEMPERATURE RANGE	upto -40° ~ +85°C *																		
STORAGE TEMPERATURE RANGE	-55°C ~ +105°C																		
SUPPLY VOLTAGE ± 5%	3.3V or 5.0V *																		
SUPPLY CURRENT	<table border="1"> <tr> <td></td> <td>≤ 25.MHz</td> <td>≤ 50MHz</td> <td>≤ 80MHz</td> <td>≤ 125MHz</td> <td>≤ 190MHz</td> </tr> <tr> <td>3.3V:</td> <td>15mA max</td> <td>25mA max</td> <td>35mA max</td> <td>40mA max</td> <td>45mA max</td> </tr> <tr> <td>5.0V:</td> <td>20mA max</td> <td>30mA max</td> <td>50mA max</td> <td>60mA max</td> <td>70mA max</td> </tr> </table>		≤ 25.MHz	≤ 50MHz	≤ 80MHz	≤ 125MHz	≤ 190MHz	3.3V:	15mA max	25mA max	35mA max	40mA max	45mA max	5.0V:	20mA max	30mA max	50mA max	60mA max	70mA max
	≤ 25.MHz	≤ 50MHz	≤ 80MHz	≤ 125MHz	≤ 190MHz														
3.3V:	15mA max	25mA max	35mA max	40mA max	45mA max														
5.0V:	20mA max	30mA max	50mA max	60mA max	70mA max														
OUTPUT	LOGIC FAMILY	SINE WAVE																	
	LOAD	50 Ω																	
	LEVEL 3.3V	0 dBm typ																	
	LEVEL 5.0V	10 dBm typ																	
TRISTATE	ENABLE (V _{IH})	≥ 2.0 VDC or N/C																	
	DISABLE (V _{IL})	≤ 0.8 VDC																	
AGING @ +25°C ±3°C	±3.0ppm / 1 st year max.																		

* Please see options in part numbering guide

■ PACKAGE DIMENSIONS

MARKING
● ← Dot denotes pin 1 location

Unit : mm

Pin Configuration	
1	NC or En/Dis
2	GND
3	Output
4	Vcc

■ SOLDER PATTERN

Unit : mm

■ REFLOW PROFILE

Note: Consult factory for detail

■ PART NUMBERING GUIDE

TSS - 50 HM 33				T - 125.000M - TR			
Product series				Tape and Reel			
Stability 00: ± 100ppm 50: ± 50ppm 25: ± 25ppm 15: ± 15ppm 10: ± 10ppm XX: Two digit Stability				TR: 500/reel Blank: Cut tape			
Operating Temperature A: -55 F: -20 M: 70 S: 100 B: -60 G: -10 N: 75 T: 105 C: -40 H: 0 P: 80 U: 125 D: -35 J: 50 Q: 85 X: custom E: -30 K: 60 R: 90				Frequency M: MHz			
				Tristate T: En/Dis N: N/C			
				Supply Voltage 50: 5.0 Volt 33: 3.3 Volt			

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