Features and Benefits

Frequency Range from 10 MHz to 52 MHz 5.0 mm x 3.2 mm ceramic SMD package
Up to ±0.5 ppm (depends on operating frequency and operating temperature)
HCMOS and Clipped Sine Wave(without DC-CUT capacitor) output optional 3.3V or 5.0V supply
Low power consumption
Low height and light weight
Compatible for automatic assembly

Description

A new series of low power consumption temperature compensated crystal oscillators with the latest low noise integrated circuit topologies.

Typical Applications

WiMAX, WLAN Telecommunication Mobile phone

Mechanical Drawing & Pin Connections

Unit:mm 1mm=0.0394inch

[TOP VIEW]

#4

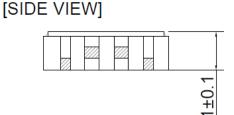
5.0±0.2

#3

70+7

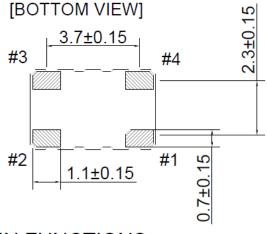
#1

#2



Drawing No:

MD140026-3



PIN FUNCTIONS

Pin	Funttion			
#1	VCON:VC-TCXO GND/NC:TCXO			
#2	GND			
#3	Output			
#4	VDD			

Specifications

ations						
·	3.3V		5.0V			
Parameter		Max.	Min.		Max.	
e	10MHz	52MHz	10MHz		26MHz	
ency	13.000000MHz, 14.400000MHz, 16.368000MHz, 16.369000MHz, 16.800000MHz, 19.200000MHz, 19.680000MHz, 20.000000MHz, 26.000000MHz					
ance*		. 2 Onnm			. 2 Onnm	
	-	±2.0ppm	-		±2.0ppm	
	-		-		±0.2ppm	
	-		-		-	
	-	• •	-		±0.2ppm	
	-	±1.0ppm	-		±1.0ppm	
Variation	2 97\/	3 63\/	4.75\/		5.25V	
	2.01 V	0.00 v	7.75		0.20 v	
	-		-		1.5mA	
	-	-	-		2.0mA	
2 MHz	-	2.5mA	-		-	
2 MHz	-	6.0	-		-	
	0.8\/n-n	_	0.8\/n-r	,	_	
	0.0 γ ρ		0.0 V P F	,		
	2.97V	-	_		-	
c "0")	-					
	45%					
ie Wave)						
	15pF			-	•	
Range	0.5V	2 5\/	0.5\/		2.5V	
		2.5 V			2.5 v	
		-			-	
, ,	100kΩ	- 100kΩ -			-	
100 Hz	-115dBc/Hz					
1 kHz	-135dBc/Hz					
10 kHz	-148dBc/Hz					
	2ms max.					
Range	-55°C to +125°C					
	Stability vs. Tempe	rature Range Availa	bility			
	Temperature Range	<u> </u>				
	-20°C to +70°C		-30°C to +85°C		-40°C to +85°C	
					Conditional (depends on	
e < 10ppm	Available				operating frequency; case	
		by case)	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	by cas		
available)						
				Condit	tional (depends on	
	Available	Available			tional (depends on ting frequency; case	
	1 kHz	Min. Min.	Min. Max. S2MHz Min. Max. Min. Max. 13.00000MHz, 14.400000MHz, 16.3680 19.200000MHz, 19.680000MHz, Mity Expression Mity Expression Mity Expression Mity Expression Mity Expression Min. Max. Max. 15.680000MHz, 14.400000MHz, 16.3680 Ho. 2.0ppm Ho. 2.0ppm Ho. 2.2ppm Ho. 2ppm Ho	Sand	3.3V 5.6 Min. Min. Min. Min. Min. 10MHz 13.00000MHz, 14.40000MHz, 16.368000MHz, 16.369000MHz 19.200000MHz, 19.680000MHz, 20.000000MHz, 26.0 20.00000MHz, 26.0 20.00000MHz, 26.0 20.00000MHz, 26.0 20.00000MHz, 26.0 20.00000Mz, 20.00000MHz, 26.0 20.00000Mz, 20.00000MHz, 26.0 20.00000Mz, 20.00000Mz, 20.00000MHz, 26.0 20.00000Mz, 20.00000Mz, 20.0000Mz, 20.000Mz, 20.0000Mz, 20.0000Mz, 20.0000Mz, 20.	

Other customized specifications maybe available. Please contact Dynamic Engineers Inc. for further details.