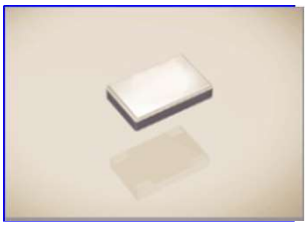
SPECIFICATION OF (VC)TCXO

KVT3-S Series

Voltage Controlled-Temperature Compensated Crystal Oscillator



◆ Application

-. Cellular Phone
-. CDMA,GSM,GPS,SONET
-. Microprocessor

◆ Options

-. TAPE & REEL

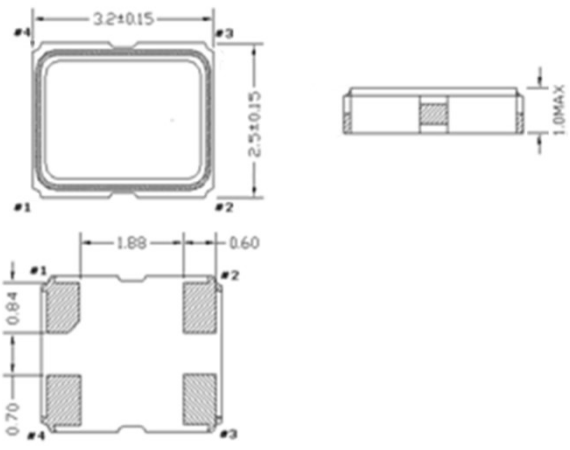
◈ Standard Specification

Item	Specifications	
Output Frequency Range	8.192000 ~ 40.000MHz	
Supply Voltage	2.5V to 3.4V	
Operating Temp. Range	-30℃ ~ +85℃	
Storage Temp. Range	-40℃ ~ +85℃	
Output Waveform	Clipped Sinewave	CMOS
Current Consumption	2.0mA Max.	6.0mA Max.
Output Voltage (Vp-p)	0.8V Min.	-
"0" Level	-	0.5V
"1" Level	-	80% of VDD
Tr/ Tf (10% to 90% of waveform)	-	10 ns Max.
Load	10kΩ // 10pF	15pF
Frequency Stability		
vs. Temp. (-30℃~+85℃)	±2.5ppm Max.	
vs. Supply Change (± 5 %)	±0.3ppm Max.	
vs. Load Change (± 5 %)	±0.3ppm Max.	
vs. Aging	±1.0ppm Max. per year	
vs. Frequency Tolerance	±1.5ppm Max. (at 25℃ ± 2℃)	
External Adjustment		
Control Voltage(VC)	+1.4V ±1.0VDC or +1.5V ±1.0VDC	
Pullability	±3.0 ~ ±15ppm Min.	
Duty Cycle	40% ~ 60% (@ 50% of Waveform)	
Phase Noise	-130dBc/Hz Max. (at 1kHz offset)	
Start-Up Time	2.0ms Max. (Output level will be 90% from the final value)	

Available ±1.5ppm @ -40℃ to 85℃

Note : Please contact us for inquiries about specifications other than the above.

◈ Dimension(mm)



◈ Pin Connection

Pin No.	Connection
#1	V_{CONT} / N/C or GND
#2	GND
#3	OUTPUT
#4	VDD

All specifications are subject to change without notice

ONELIGHT(Head office) 618-1 Namchon-Dong , Namdong-Gu, Incheon, Korea / Tel :+82-32-899-8331,8341 / Fax :+82-32-899-8399, Home page : http://www.onelight.co.kr

ONELIGHT ELECTRONICS CO.,LTD