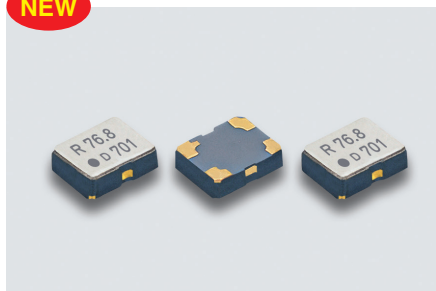


High-precision SMD VC-TCXO/TCXO

DSB1612SEB

NEW


Actual size

Features

- Capable of operating over a wide temperature range from -40 to $+105^{\circ}\text{C}$
- High frequencies operation
- Low voltage operation
- Clipped sine wave
- Low phase noise
- Single package structure
- AEC-Q200 Compliant

Applications

- Automotive WiFi, WiLAN, WiMAX, Bluetooth
- GNSS, Industrial equipment



Pb-Free



RoHS Compliant

Standard Specification

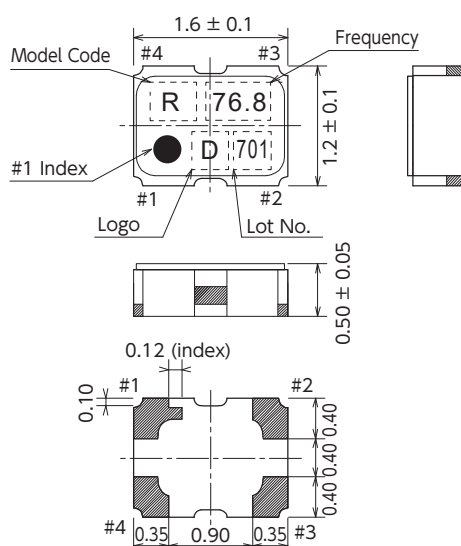
Item	DSB1612SEB	
Output Frequency Range	26 to 76.8MHz	
Supply Voltage Range	$+1.8$ to $+3.3\text{V}$	
Current Consumption	$+4.5\text{mA max. (f} \leq 52\text{MHz)}/+5.0\text{mA max. (f} > 52\text{MHz)}$	
Stand-by Current (#1 pin "L" Level)	$+3\mu\text{A max.}$	
Output Level	$0.8\text{Vp-p min. (Clipped Sine Wave / DC-coupled)}$	
Output Load	$10\text{k}\Omega//10\text{pF}$	
Frequency Stability	$\pm 2.0 \times 10^{-6} \text{ max. (After 2 reflows)}$	
Tolerance	$\pm 5.0 \times 10^{-6} \text{ max. } (-40 \text{ to } +105^{\circ}\text{C})$	
vs. Temperature	$\pm 5.0 \times 10^{-6} \text{ max. } (-40 \text{ to } +105^{\circ}\text{C})$	$\pm 0.5 \times 10^{-6} \text{ max. } (-40 \text{ to } +85^{\circ}\text{C})$
vs. Supply Voltage	$\pm 0.2 \times 10^{-6} \text{ max. (Vcc} \pm 5\%)$	
vs. Load Variation	$\pm 0.2 \times 10^{-6} \text{ max.}$	
vs. Aging	$\pm 2.0 \times 10^{-6} \text{ max./year}$	
Start up Time	2.0ms max.	
Phase Noise	$[f \leq 52\text{MHz}]$	$[f > 52\text{MHz}]$
Offset 100Hz	-110dBc/Hz	-108dBc/Hz
Offset 1kHz	-130dBc/Hz	-125dBc/Hz
Offset 10kHz	-152dBc/Hz	-150dBc/Hz
Offset 100kHz	-155dBc/Hz	-155dBc/Hz
Packing Unit (1)	3000pcs./reel ($\Phi 180$)	

(1) Moisture prevention packing is unnecessary.
 Moisture Sensitivity Level : Level1 (IPC/JEDEC J-STD-033)

Consult our sales representative for other specifications.

[mm]

Dimensions



Pin Connections

Pin No.	Connection
#1	O.E. (Output Enable)
#2	GND
#3	Output
#4	Vcc

Output Enable
 H Oscillation
 L Stand by

Recommended Land Pattern

<Top View>

