

High-precision SMD TCXO

DSB1612SLD/DSB211SLD

NEW



Actual size DSB1612SLD □ DSB211SLD □

Features

- Low voltage operation (Supply voltage +1.2V)
- High precision
- Clipped sine output
- Low phase noise
- Single package structure

Applications

- Wearable devices
- Mobile phones, GPS/GNSS, industrial wireless communication devices, etc.



Standard Specification

Item	Type	DSB1612SLD	DSB211SLD
Frequency Range		13 to 52MHz	
Standard Frequency		26MHz	
Supply Voltage (Vcc)		+1.2V/ +1.8V	
Current Consumption		+1.7mA max.	
Stand-by Current (#1 pin "L" Level)		+3μA max.	
Output Level		0.7Vp-p min. (Clipped sine/DC-coupled)	
Output Load		10kΩ//10pF	
Frequency Stability Tolerance		±1.5×10 ⁻⁶ max.(After 2 reflows)	
vs. Temperature		±0.5 ×10 ⁻⁶ max./ -30 to +85°C	
vs. Supply Voltage		±2.5 ×10 ⁻⁶ max./ -40 to +85°C	
vs. Load Variation		±0.2×10 ⁻⁶ max./ Vcc ± 5%	
vs. Aging		±0.2×10 ⁻⁶ max./ (10kΩ//10pF) ± 10%	
OE Pin 0 Level Input Voltage		±1.0×10 ⁻⁶ max./ year	
OE Pin 1 Level Input Voltage		Vcc×0.2V max.	
Start up Time		Vcc×0.8V min.	
Phase Noise		2.0ms max.	
Offset 100Hz		[26MHz]	
Offset 1kHz		-116dBc/Hz typ.	
Offset 10kHz		-134dBc/Hz typ.	
Offset 100kHz		-150dBc/Hz typ.	
Packing Unit (1)		-150dBc/Hz typ.	
		3000pcs./reel (φ180)	

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

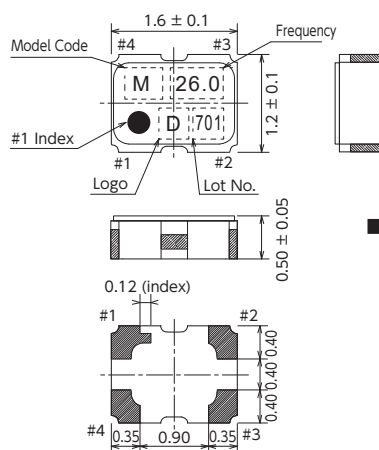
Consult our sales representative for other specifications.

DSB1612SLD

DSB211SLD

[mm]

Dimensions



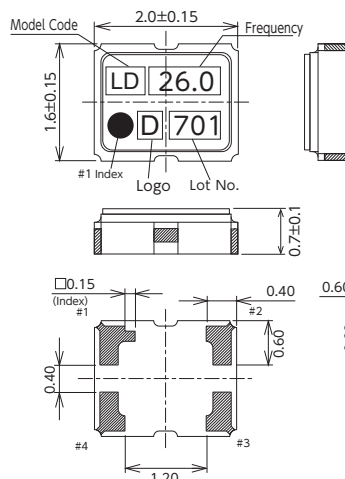
Pin Connections

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>

Dimensions



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