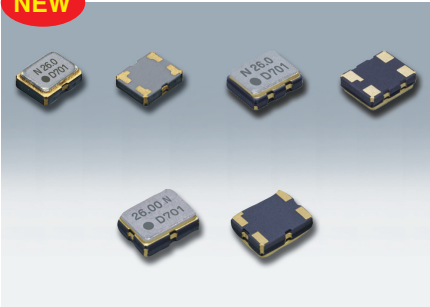


SMD TCXO (For Automotive)

DSB211SJ/DSB221SJ/DSB321SJ

NEW



Actual size DSB211SJ DSB221SJ
DSB321SJ

Features

- Supply voltage up to +2.3~+3.6V
- CMOS Level Output
- Low phase noise
- Single package structure
- Moisture prevention packing is unnecessary.
Moisture Sensitivity Level: LEVEL 1 (IPC/JEDEC J-STD-033)
- AEC-Q100 Compliant



Applications

- Telematics, Satellite radio

[Type]

TCXO	Size
DSB211SJ	2016size
DSB221SJ	2520size
DSB321SJ	3225size

Standard Specification

Item	Type	TCXO		
		DSB211SJ/DSB221SJ/DSB321SJ		
Output Frequency Range		10~40MHz		
Standard Frequency		13MHz/ 19.2MHz/ 20MHz/ 26MHz/ 38.4MHz/ 40MHz		
Supply Voltage(Vcc)		+2.6V / +2.8V / +3.0V / +3.3V		
Current Consumption		+4.0mA max.(f≤26MHz) / +6.0mA max.(f>26MHz)		
0 Level Output Voltage		Vcc×0.1V		
1 Level Output Voltage		Vcc×0.9V		
Output Load		15pF		
Rise and Fall Time		10ns max.(10%~90% Vcc Level)		
Frequency Stability Tolerance		±1.5×10 ⁻⁶ max.(After 2 reflows)		
vs. Temperature		±2.5×10 ⁻⁶ max./ -40~+85°C, ±20×10 ⁻⁶ max./ +85~+105°C		
vs. Supply Voltage		±0.3×10 ⁻⁶ max.(Vcc±5%)		
vs. Aging		±1.0×10 ⁻⁶ max. /year		
Start up Time		2.0ms max.		
Phase Noise		[f≤15MHz]	[15MHz<f≤26MHz]	[f>26MHz]
Offset 100Hz		-115dBc/Hz	-110dBc/Hz	-105dBc/Hz
Offset 1kHz		-135dBc/Hz	-130dBc/Hz	-125dBc/Hz
Offset 10kHz		-145dBc/Hz	-140dBc/Hz	-135dBc/Hz
Offset 100kHz		-145dBc/Hz	-145dBc/Hz	-145dBc/Hz
Packing Unit		DSB211SJ/DSB221SJ: 3000pcs./reel(φ 180), DSB321SJ: 2000pcs./reel(φ 180)		

Consult our sales representative for other specifications.

DSB211SJ

[mm]

DSB221SJ

[mm]

DSB321SJ

[mm]

DSB211SJ	DSB221SJ	DSB321SJ
<p>Dimensions</p> <p>Model Code: N 26.0 Frequency: 26.00 Pin Connections: #1 GND #2 GND #3 Output #4 Vcc</p> <p>Recommended Land Pattern (Top View)</p>	<p>Dimensions</p> <p>Model Code: N 26.0 Frequency: 26.00 Pin Connections: #1 GND #2 GND #3 Output #4 Vcc</p> <p>Recommended Land Pattern (Top View)</p>	<p>Dimensions</p> <p>Model Code: N 26.0 Frequency: 26.00 Pin Connections: #1 GND #2 GND #3 Output #4 Vcc</p> <p>Recommended Land Pattern (Top View)</p>