

SMD Type (VC-) TCXO

DSA321SB/DSB321SB for Mobile communications



Actual size

Features

- SMD-TCXO (0.008cc, 0.03g) with size 3225 and thickness 1.0mm. Miniature and lightweight.
- Low phase noise.
- Low power.
- Frequency up to 38.4MHz.

Applications

- Mobile phones (W-CDMA, CDMA, GSM, PCN, PCS, PDC, PHS, etc.), GPS application and other mobile communications.

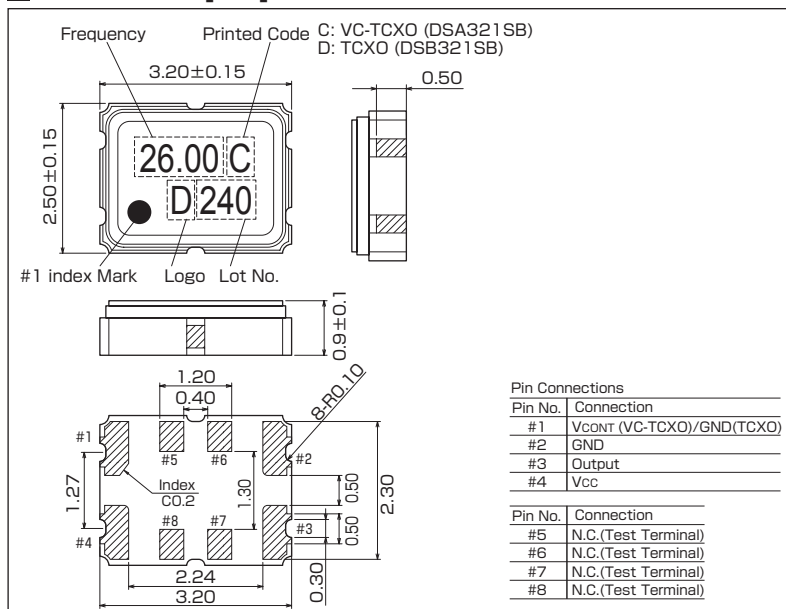
Generic Specification

Item	Type	DSA321SB(VC-TCXO)	DSB321SB(TCXO)
Frequency Range		9.6 MHz ~ 38.4 MHz	
Standard Frequency		12.6/ 13/ 14.4/ 16.8/ 19.2/ 19.68/ 19.8/ 20/ 26/ 38.4 MHz	
Supply Voltage		+3.0 V (+2.5 to +3.3V available)	
Current Consumption		+1.3 mA max. (F≤15MHz) / +1.5 mA max. (15<F≤26MHz) / +1.8 mA max. (F>26MHz)	
Output Level		0.8 Vp-p min.	
Output Load		10kΩ//10 pF	
Frequency Stability			
Tolerance		±1.5×10 ⁻⁶ (After 2 reflows)	
vs. Temperature		±2.5×10 ⁻⁶ / -30~+85 deg. C	
vs. Supply Voltage		±0.2×10 ⁻⁶ (+3.0V±0.3V)	
vs. Load Variation		±0.2×10 ⁻⁶ (10kΩ // 10 pF ±10%)	
vs. Aging		±1.0×10 ⁻⁶ /year	
Start up		2.0 msec. max.	
Frequency Control			
Control Sensitivity		±9~±15×10 ⁻⁶ (Vcont=+1.5V±1V)	-
Response Slope		Positive	-
SSB Phase Noise		[F≤15MHz] -115 dBc/Hz (Offset 100Hz) -135 dBc/Hz (Offset 1kHz) -145 dBc/Hz (Offset 10kHz) -145 dBc/Hz (Offset 100kHz)	[15MHz<F≤26MHz] -110 dBc/Hz (Offset 100Hz) -130 dBc/Hz (Offset 1kHz) -140 dBc/Hz (Offset 10kHz) -145 dBc/Hz (Offset 100kHz) [F>26MHz] -105 dBc/Hz (Offset 100Hz) -125 dBc/Hz (Offset 1kHz) -135 dBc/Hz (Offset 10kHz) -145 dBc/Hz (Offset 100kHz)

Packing Unit : 2000pcs./reel (φ 180)

Consult our sales representative for other specifications.

Dimensions [mm]



Recommended Land Pattern

