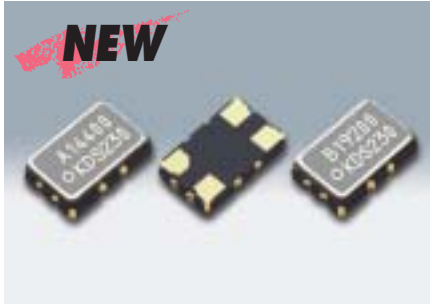


SMD Type (VC-) TCXO

DSA421SA/DSB421SA for Mobile communications



Features

- Super miniature size. (0.012cc)
- Light weight. (0.04g)
- High reliability with IC circuits.
- Low current consumption with NEW IC.
- Complete lead-free.

Applications

- Cellular mobile phone. (W-CDMA, CDMA, GSM, PCN, PCS, PDC, PHS and other systems)
- Other mobile communication systems.

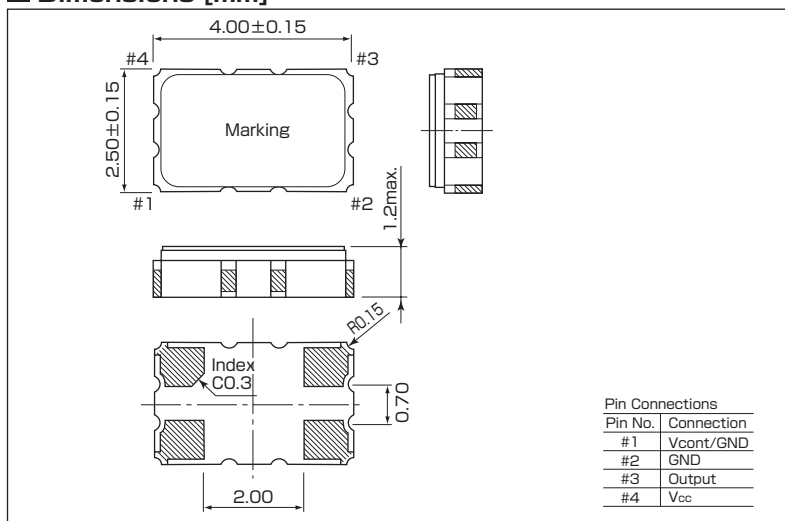
Generic Specification

Item \ Type	DSA421SA(VC-TCXO)	DSB421SA(TCXO)
Output Frequency Range	12.6 MHz ~ 20 MHz	
Standard Frequency	12.6/ 12.8/ 13/ 14.4/ 14.85/ 16.8/ 19.2/ 19.68/ 19.8/ 20 MHz	
Supply Voltage	+3.0 V (+2.6 to +3.3V available)	
Current Consumption	+1.3 mA max. (F<15MHz) / +1.5 mA max. (F≥15MHz)	
Output Level	0.8 Vp-p min.	
Output Load	10kΩ//10 pF	
Frequency Stability	±1.5×10 ⁻⁶ (After 2 reflows)	
Frequency Tolerance		
Temperature Shift	±2.5×10 ⁻⁶ / -30~+85 °C	
Supply Voltage Shift	±0.2×10 ⁻⁶ (+3.0V±0.3V)	
Load Shift	±0.2×10 ⁻⁶ / (10kΩ//10pF) ±10%	
Aging Characteristics	±1.0×10 ⁻⁶ /year	
Start up Time	2.0 msec.max.	
Frequency Control		
Control Characteristics	±9~ ±15×10 ⁻⁶ (Vcont+1.5V±1V)	-
Extreme Characteristics of Frequency Shift	Positive	-
Phase Noise	[F<15MHz] - 110 dBc/Hz (Offset 100Hz) - 130 dBc/Hz (Offset 1kHz) - 145 dBc/Hz (Offset 10kHz) - 145 dBc/Hz (Offset 100kHz)	[F≥15MHz] - 105 dBc/Hz (Offset 100kHz) - 125 dBc/Hz (Offset 1kHz) - 140 dBc/Hz (Offset 10kHz) - 145 dBc/Hz (Offset 100kHz)

Packing Unit : 5000pcs./reel

Consult our sales representative for other specifications or special specifications.

Dimensions [mm]



Recommended Land Pattern

