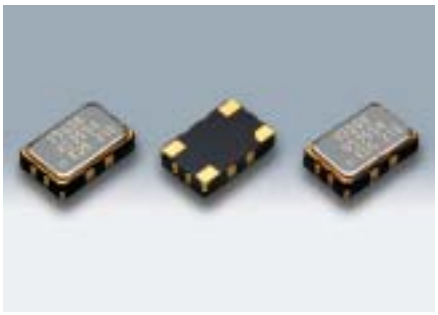
SMD Type (VC-) TCXO

DSA535SA/DSB535SA for Mobile communications



Actual size

Completely Lead-Free

■Features

- SMD-TCXO (0.024cc, 0.08g) with size 5032 and thickness 1.5mm. Miniature and lightweight.
- Low power.

■Applications

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

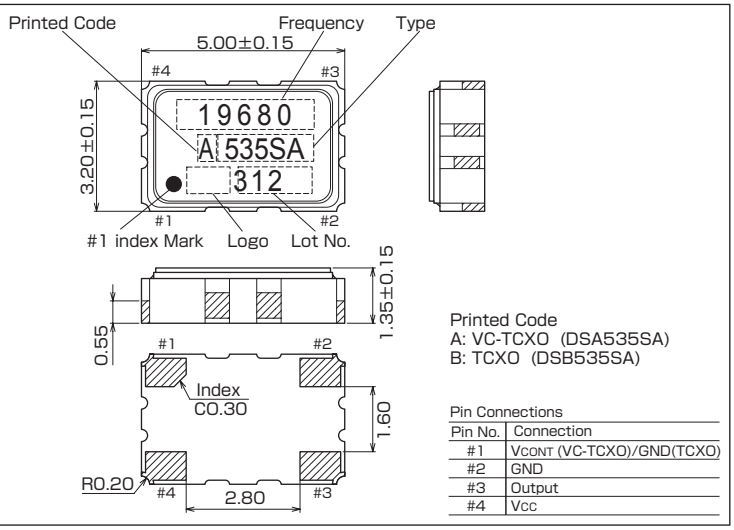
■Generic Specification

Item \ Type	DSA535SA(VC-TCXO)	DSB535SA(TCXO)
Output Frequency Range	10 MHz ～ 20 MHz	
Standard Frequency	10/ 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 ℃	
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 100Hz) −125 dBc/Hz (Offset 1kHz) −140 dBc/Hz (Offset 10kHz) −145 dBc/Hz (Offset 100kHz)

Packing Unit : 4000pcs./reel （φ330）

Consult our sales representative for other specifications.

■Dimensions [mm]



Pin Connections

Pin No.	Connection
#1	VCONT (VC-TCXO)/GND(TCXO)
#2	GND
#3	Output
#4	Vcc

■Recommended Land Pattern

