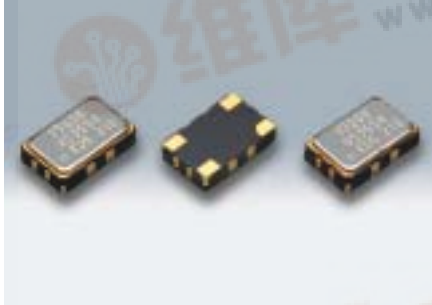


# SMD Type (VC-) TCXO

## DSA535SA/DSB535SA for Mobile communications



Actual size

### 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.

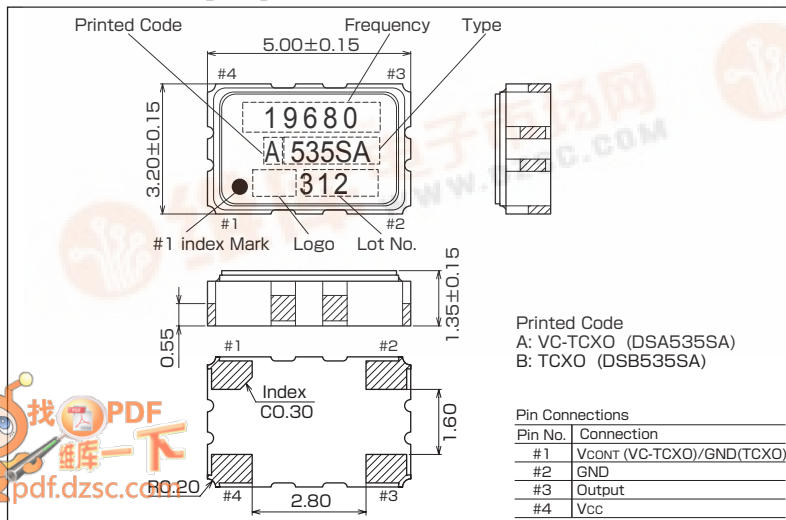
### Generic Specification

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 <sup>-6</sup> (After 2 reflows)	
Frequency Tolerance		±2.5×10 <sup>-6</sup> / -30~+85 °C	
Temperature Shift		±0.2×10 <sup>-6</sup> (+3.0V±0.3V)	
Supply Voltage Shift		±0.2×10 <sup>-6</sup> / (10kΩ//10pF) ±10%	
Load Shift		±1.0×10 <sup>-6</sup> /year	
Aging Characteristics		2.0 msec.max.	
Start up Time		±9~ ±15×10 <sup>-6</sup> (Vcont+1.5V±1V)	
Frequency Control			-
Control Characteristics		Positive	-
Extreme Characteristics of Frequency Shift			-
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 ( φ 330)

Consult our sales representative for other specifications.

### Dimensions [mm]



### Recommended Land Pattern

