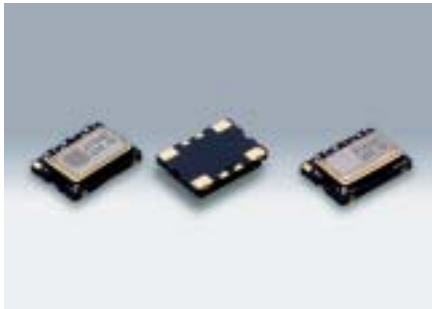


# SMD Type (VC-) TCXO

## DSA751HA, DSB751HA



Actual size

### ■ Features

- Miniature SMD-TCXO (0.07cc, 0.18g) with outside dimensions 7.3×4.9×1.75.
- High reliability with one chip IC.

### ■ Applications

- Mobile phones, GPS application and other mobile communications.

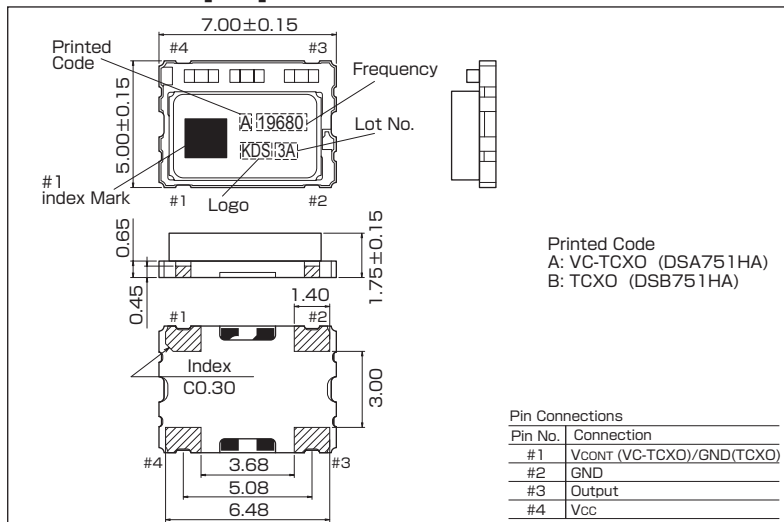
### ■ Generic Specification

Item	Type	DSA751HA (VC-TCXO)	DSB751HA (TCXO)
Output Frequency Range		10MHz ~ 20MHz	
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		1.5mA max. (F≤15MHz) / 2.0mA 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//10 pF) ±10%	
Load Shift		±1.0 × 10 <sup>-6</sup> / year	
Aging Characteristics		3.0 msec. max.	
Start up Time			
Frequency Control			
Control Characteristics		±9~±15 × 10 <sup>-6</sup> / Vcont = +1.5V±1.0V	-
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 : 3000pcs./reel ( φ 330)

Consult our sales representative for other specifications.

### ■ Dimensions [mm]



### ■ Recommended Land Pattern [mm]

