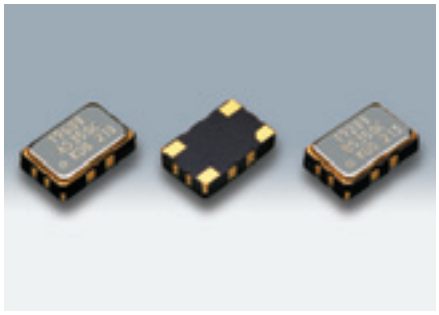
SMD (VC-) TCXO

DSA535SC/DSB535SC for Mobile communications



Actual size

Features

- 5032 size, 1.35 mm high miniature SMD VC-TCXO (0.024cc, 0.08g)
- Low voltage. Supply voltage up to +2.4±0.1V.
- Low current consumption
- Low phase noise
- Single packaged structure making the use of moisture-proof packaging unnecessary.
  Moisture Sensitivity Level: LEVEL 1 (IPC/JEDEC J-STD-033)

Pb-Free

RoHS Compliant

Applications

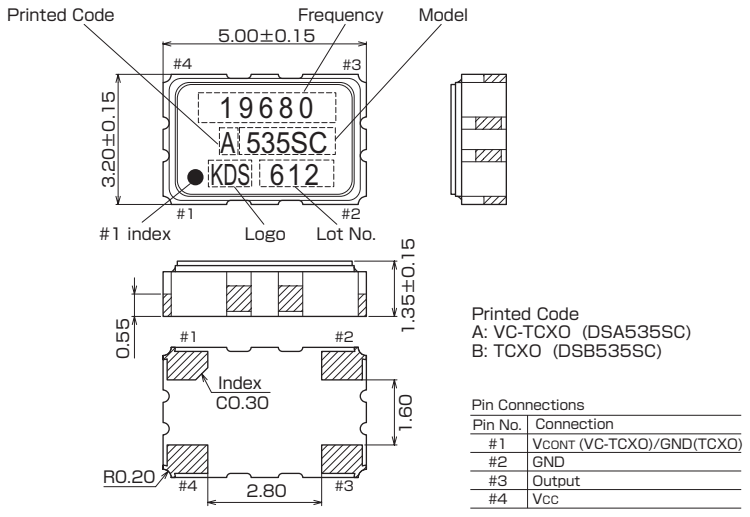
- Mobile phones (W-CDMA, CDMA2000, GSM, PCN, PCS, PHS)

Standard Specification

Item \ Type	DSA535SC (VC-TCXO)	DSB535SC (TCXO)
Output Frequency Range	10 MHz to 30MHz	
Standard Frequency	10/ 12.6/ 12.8/ 13/ 14.4/ 14.85/ 16.8/ 19.2/ 19.68/ 19.8/ 20/ 26 MHz	
Supply Voltage	+2.6 V /+2.8 V / +3.0V	
Current Consumption	+1.1 mA max. (F≦15MHz) ／+1.3 mA max. (F>15MHz)	
Output Level	0.8 Vp-p min. (Clipped Sinewave / DC-coupled)	
Harmonics	-5dBc max.	
Output Load	10kΩ//10 pF	
Frequency Stability Tolerance	±1.5×10^{-6} max.(After 2 reflows)	
vs. Temperature	±2.0×10^{-6} max. / -30 to +85 deg C @CDMA ±2.5×10^{-6} max. / -30 to +85 deg C @GSM	
vs. Supply Voltage	±0.2×10^{-6} max. (Vcc ±5%)	
vs. Load Variation	±0.2×10^{-6} max. (10 kΩ//10 pF ±10%)	
vs. Aging	±1.0×10^{-6} max. /year	
Start up Time	2.0 msec. max.	
Frequency Control Control Sensitivity	±5.5 to ±9.5×10^{-6} / Vcont =+1.4V ±1V @CDMA ±9 to ±15×10^{-6} / Vcont =+1.5V ±1V @GSM	–
Response Slope	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]



Recommended Land Pattern [mm]

〈Top View〉