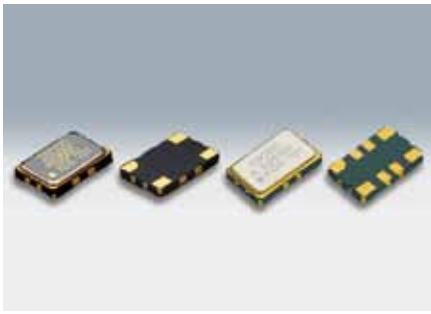


High-precision SMD VC-TCXO / TCXO

DSA535SC, DSB535SC/DSA535SD, DSB535SD



Actual size

Features

- 5032 size
- Low phase noise
- Single package structure

Applications

- Mobile phone
- Other wireless radio communications
- GPS/GNSS
- Industrial radio communications



Standard Specification

Item	VC-TCXO	TCXO	VC-TCXO	TCXO
	DSA535SC	DSB535SC	DSA535SD	DSB535SD
Frequency Range	10 to 30MHz		9.6 to 40MHz	
Standard Frequency	13MHz/ 19.2MHz/ 26MHz			16.3676MHz/ 16.367667MHz/ 16.368MHz/ 16.369MHz/ 16.8MHz/ 26MHz
Supply Voltage Range	+2.3 to +5.5V			
Supply Voltage (Vcc)	+2.6V/ +2.8V/ +3.0V / +3.3V			
Current Consumption	+1.1mA max. (f≤15MHz)/+1.3mA max. (f>15MHz)		+1.5mA max. (f≤26MHz)/+2.0mA max. (f>26MHz)	
Output Level	0.8Vp-p min. (Clipped Sinewave / DC-coupled)			
Output Load	10kΩ/10pF			
Frequency Stability Tolerance	±1.5×10 ⁻⁶ max.(After 2 reflows)			
vs. Temperature	±2.5×10 ⁻⁶ max. / -30 to +85°C		±1.0×10 ⁻⁶ max. / -30 to +85°C ±1.0×10 ⁻⁶ max. / -40 to +85°C (Option)	±0.5×10 ⁻⁶ max. / -30 to +85°C ±0.5×10 ⁻⁶ max. / -40 to +85°C (Option)
vs. Supply Voltage	±0.2×10 ⁻⁶ max. (Vcc±5%)			
vs. Load Variation	±0.2×10 ⁻⁶ max.			
vs. Aging	±1.0×10 ⁻⁶ max. /year			
Start up Time	2.0ms max.			
Frequency Control Control Sensitivity	±9.0×10 ⁻⁶ to ±15×10 ⁻⁶ / Vcont=+1.5V±1V	—	±3.0×10 ⁻⁶ to ±5.0×10 ⁻⁶ / Vcont=+1.4V±1V	—
Response Slope	Positive	—	Positive	—
Phase Noise	[f≤15MHz]	[15MHz<f]	[f≤15MHz]	[15MHz<f≤26MHz] [26MHz<f≤40MHz]
Offset 100Hz	-110dBc/Hz	-105dBc/Hz	-115dBc/Hz	-110dBc/Hz -105dBc/Hz
Offset 1kHz	-130dBc/Hz	-125dBc/Hz	-135dBc/Hz	-130dBc/Hz -125dBc/Hz
Offset 10kHz	-145dBc/Hz	-140dBc/Hz	-145dBc/Hz	-140dBc/Hz -135dBc/Hz
Offset 100kHz	-145dBc/Hz	-145dBc/Hz	-145dBc/Hz	-145dBc/Hz -145dBc/Hz
Packing Unit (1)	4000pcs./reel(φ330)			

(1) Moisture prevention packing is unnecessary.
Moisture Sensitivity Level : LEVEL 1 (IPC/JEDEC J-STD-033)

Consult our sales representative for other specifications.

DSA535SC/DSB535SC

DSA535SD/DSB535SD

