

Ultra miniature SMD VC-TCXO/TCXO

DSA1612SDM/DSB1612SDM



Actual size □

■ Features

- Low voltage operation
- Low phase noise
- Prevention of moisture packing is unnecessary
Moisture Sensitivity Level : LEVEL 1 (IPC/JEDEC J-STD-033)

■ Applications

- Mobile phone(W-CDMA, CDMA2000, TD-SCDMA, GSM, GPRS, Mobile W-PHS)
- Other wireless radio communications
- GPS
- Industrial radio communications

[Type]

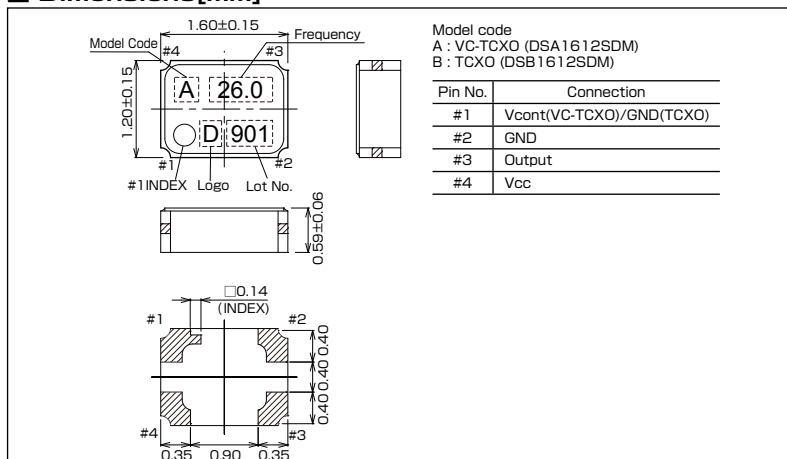
VC-TCXO	TCXO	Size
DSA1612SDM	DSB1612SDM	1612 size

■ Standard Specification

Item	Type	DSA1612SDM(VC-TCXO)	DSB1612SDM(TCXO)
Output Frequency Range		19.2~52 MHz	
Standard Frequency		19.2/ 26/ 38.4/ 52MHz	
Supply Voltage Range		+1.68~+3.5V	
Supply Voltage (Vcc)		+1.8V / +2.6 V / +2.8 V / +3.0V / +3.3V	
Current Consumption		+1.5 mA max. (F≤26MHz)/+2.0 mA max. (F>26MHz)	
Output Level		0.8Vp-p min. (Clipped Sinewave/DC-coupled)	
Output Load		10 kΩ//10 pF	
Frequency Stability Tolerance		±1.5×10 ⁻⁶ max.(After 2 reflows)	
	vs. Temperature	±1.0×10 ⁻⁶ , ±2.0×10 ⁻⁶ , ±2.5×10 ⁻⁶ max. / -30~+85°C ±1.0×10 ⁻⁶ , ±2.0×10 ⁻⁶ , ±2.5×10 ⁻⁶ max. / -40~+85°C (Option)	±0.5×10 ⁻⁶ , ±2.0×10 ⁻⁶ , ±2.5×10 ⁻⁶ max. / -30~+85°C ±0.5×10 ⁻⁶ , ±2.0×10 ⁻⁶ , ±2.5×10 ⁻⁶ max. / -40~+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		2.0 ms max.	
Frequency Control Control Sensitivity		±3.0×10 ⁻⁶ ~±5.0×10 ⁻⁶ / Vcont=+1.4V±1V @Vcc≥+2.6V ±9.0×10 ⁻⁶ ~±15×10 ⁻⁶ / Vcont=+1.5V±1V @Vcc≥+2.6V ±3.0×10 ⁻⁶ ~±5.0×10 ⁻⁶ / Vcont=+0.9V±0.6V @Vcc=+1.8V ±9.0×10 ⁻⁶ ~±15×10 ⁻⁶ / Vcont=+0.9V±0.6V @Vcc=+1.8V	-
	Response Slope	Positive	-
SSB Phase Noise		[15MHz<f≤26MHz]	[26MHz<f≤52MHz]
	Offset 100Hz	- 110 dBc/Hz	- 100 dBc/Hz
	Offset 1kHz	- 130 dBc/Hz	- 120 dBc/Hz
	Offset 10kHz	- 140 dBc/Hz	- 135 dBc/Hz
	Offset 100kHz	- 145 dBc/Hz	- 140 dBc/Hz
Packing Unit		2000pcs./reel(φ180)	

Consult our sales representative for other specifications.

■ Dimensions[mm]



■ Recommended Land Pattern [mm]

