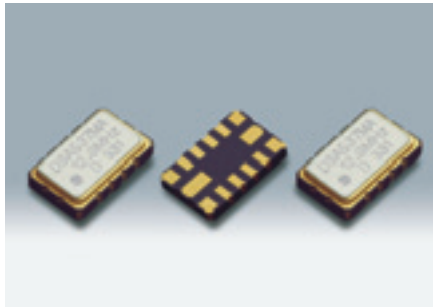


SMD (VC-) TCXO Module

DSA537MA for Mobile communications



Actual size

Features

- 5032 size, 1.05mm high miniature SMD VC-TCXO Module (0.020cc, 0.08g)
- Two outputs (Clipped Sine)
- 9 multiples output frequency by a PLL circuit (PLL technology) available for 2nd-IF of PDC.
- Temperature sensor output
- Single packaged structure making the use of moisture-proof packaging unnecessary. Moisture Sensitivity Level: LEVEL 1 (IPC/JEDEC J-STD-033)



Applications

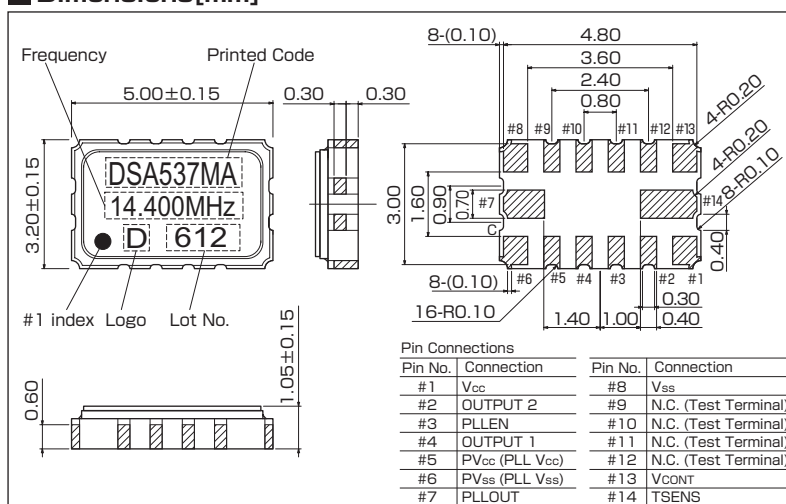
- Mobile phones (PDC)

Standard Specification

Item	Type	DSA537MA(VC-TCXO Module)
Standard Frequency		12.6/ 14.4 MHz
Supply Voltage		+2.8 V / +3.0V
Current Consumption		+1.6 mA max.@12.6MHz / +1.8 mA max.@14.4MHz (PLL OFF) +4.5 mA max.@12.6MHz / +5.0 mA max.@14.4MHz (PLL ON)
TCXO Output		2-Port (Output1 / Output2)
Output Level		0.8 Vp-p min. (Clipped Sinewave / DC-coupled)
Output Load		10kΩ//10 pF
PLL output		113.4MHz @12.6MHz/ 129.6MHz @14.4MHz
Level		-17dBm typ.
Load		50Ω
Frequency Stability		±1.5×10 ⁻⁶ max. (After 2 reflows)
Tolerance		±2.0×10 ⁻⁶ max. / -20 to +75 deg. C
vs. Temperature		±0.2×10 ⁻⁶ max. (Vcc ±5%)
vs. Supply Voltage		±0.2×10 ⁻⁶ max. (10 kΩ//10 pF ±10%)
vs. Load Variation		±1.0×10 ⁻⁶ max. /year
vs. Aging		
Start up Time		2.0 msec. max.
Frequency Control		
Control Sensitivity		±9 to ±15×10 ⁻⁶ / Vcont=+1.5V±1V
Response Slope		Positive
Phase Noise		-110 dBc/Hz (Offset 100Hz) -130 dBc/Hz (Offset 1kHz) -140 dBc/Hz (Offset 10kHz) -145 dBc/Hz (Offset 100kHz)
Temp. Sensor Output		+0.590 V typ.(Ta=+25 deg. C) +7.8 mV/deg. C
Packing Unit		4000pcs./reel (φ330)

Consult our sales representative for other specifications.

Dimensions[mm]



Recommended Land Pattern [mm]

