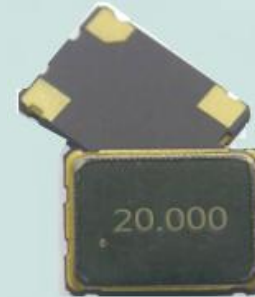


SMD Crystal Oscillators- CMOS Output

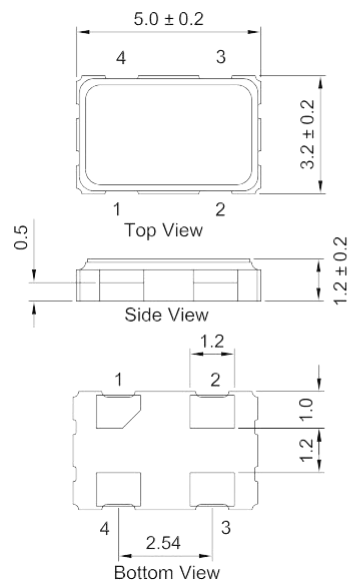
5.0x3.2x1.2 mm 7C Series

Features

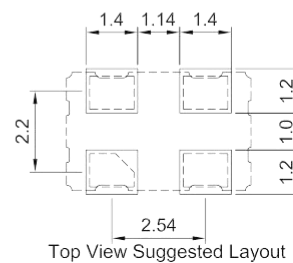
- . Small SMD seam sealed clock crystal oscillator units.
- . High precision characteristic covering up to wide frequency range.
- . Designed for automatic mounting and reflow soldering.
- . Tri-State function available.
- . Supply voltage range : 1.8 V ~ 5.0 V.
- . High stability, low jitter, low power consumption.
- . Main application : wireless communication set, PDA, and DSC.
- . RoHS Compliant / Pb Free.



Item / Type		CMOS		
Output Type	CMOS			
Output Load	15 pF , 30 pF			
Oscillation Mode	Fundamental / 3rd Overtone			
Supply Voltage	1.8 V	2.5 V , 2.8 V , 3.3 V	5 V	
Frequency Range	1 ~ 150 MHz			
Frequency Stability	± 20 ppm , ± 25 ppm , ± 30 ppm , ± 50 ppm			
Operating Temperature Range	- 10 ~ + 70 °C , - 40 ~ + 85 °C			
Storage Temperature Range	- 55 ~ + 125 °C			
Voltage Vol (Max.) / Voh (Min.)	0.1 VDD / 0.9 VDD			
Rise (Tr) / Fall (Tf) Time	8 ns Max.			
Current Consumption	1-75 MHz	5 mA Max.	10 mA Max.	20 mA Max.
	75-150 MHz	15 mA Max.	20 mA Max.	NA
Symmetry	40 ~ 60 %			
Start-up Time	5 ms Max.			
Phase Jitter (12 KHz ~ 20 MHz)	1 ps Max.			
Aging (at 25 °C)	± 3 ppm / year Max.			



PAD FUNCTION:
 1: ENABLE CONTROL
 2: GND
 3: OUT
 4: VDD



Units: mm

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