NextGen Components,Inc.

ORIGINAL PART SERIES NO.: **CM21**

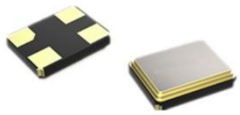
MHZ SMD CRYSTALS

MAIN FEATURE

- Ultra-small SMD Package, Seam Sealed Ceramic-Metal, 4pads
- High precision & High frequency stability

RFQ
Request For Quotation

NEW



L2.0*W1.6*H0.46mm

APPLICATION

- Small Bluetooth & wireless device • IoT, Health care equipment

STANDARD SPECIFICATION

Parameter	Value			Unit	Condition
	Min.	Type	Max.		
Frequency Range	16.000		54.000	MHz	
Oscillation Mode	AT Fund.				
Frequency Tolerance	-	±50		ppm@25 °C	see p/n guide for more option
Operating Temp. Range	-40	-	+85	°C	see p/n guide for more option
Storage Temp. Range	-55	-	+125	°C	
Load Capacitance(CL)	-	18	-	pF	see p/n guide for more option
Frequency Stability	-	±50	-	ppm	see p/n guide for more option
Equivalent Series Resistance (ESR)			150	ohm	@16.000 ~ 20.000MHz
			100		@20.001~30.000MHz
			80		@30.001~36.000MHz
			60		@36.001~54.000MHz
Drive Level	-	-	100	µW	
Shunt Capacitance	-	-	7.0	pF	
Insulation Resistance	500	-		mW	DC/100V +-10%
Aging per year	-	±3		ppm	@25 °C

PART NUMBER GUIDE

Example: CM21 26M0A50-18-50-40-100 TLF

CM21	26M0	A	50	-18	-50	-40	-100	T	LF	XX
1	2	3	4	5	6	7	8	9	10	11

1) CM21: MHz SMD Crystal,4 pads, L2.0*W1.6*H0.46mm

2) 26M0: Frequency Range 26.000MHz or specify frequency range

3) A: Oscillation Mode, A: AT Fund.

4) 50: Freq. tolerance, 50: +/-50ppm; 10: +/-10ppm; 20: +/-20ppm; 30: +/-30ppm or Specify value

5) 18: Load Capacitance(CL), 15: 15pF; 18: 18pF; 20: 20pF; 30: 30pF or Specify CL value

6) 50: Frequency Stability, 50: +/-50ppm;10: +/-10ppm; 20: +/-20ppm; 30: +/-30ppm or Specify value

7) 40: Operating Temp. Range, 40: -40°C ~+85°C; 10: -10°C ~+60°C; 20: -20°C ~+70°C; or Specify value

8) 100: Equivalent Series Resistance (ESR), 100: 100 ohm Max.

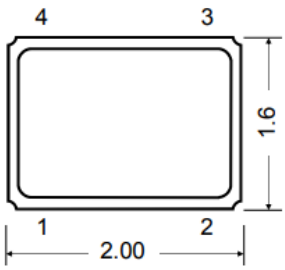
9) T: Package in Tape/Reel, 3000pcs/Reel

10) LF: RoHS Compliant

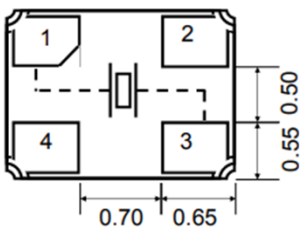
11) XX: Intenal Control Code, 2 letter or digits; Blank: N/A

DIMENSION (Unit: mm)

Top View

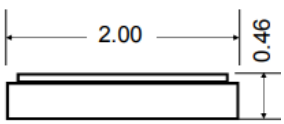


Bottom View



Connection
#1 Crystal
#2 Ground
#3 Crystal
#4 Ground

Side View



Solder Pattern