MEC Crystals

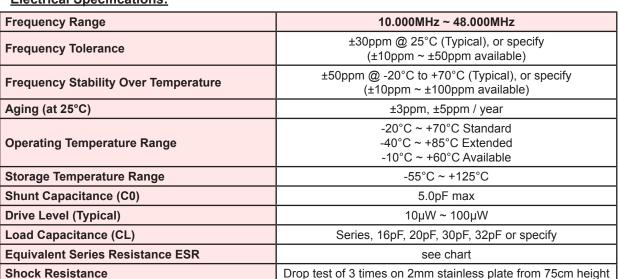
Seam Sealed Ceramic SMD Package (5.0 x 3.2mm)

(4 Pads)

Features:

- Ultra thin, thickness 1.0mm
- Leadless type
- High precision characteristics covering up to high frequency range
- Automatic mounting
- Embossed taping specification
- Suitable for reflow soldering
- Ideally suited for disc drives, NB, PCs and hand-held products.
- RoHs Compliant (Pb Free)





Equivalent Series Resistance (ESR) and Mode of Operation (Mode)

Frequency Range	E.S.R. (Ω)	Mode
10.000MHz ~ 30.000MHz	60 max	Fundamental / AT
30.000MHz ~ 48.000MHz	45 max	Fundamental / AT

Part Numbering System:

<u>4M 16.000 F 16 X 10 30</u>

(1) Series 4M

② Frequency Frequency ex. 16.000

3 Mode of Vibration

AT Fund

(4) Load Capacitance CL Cut-Mode

Load Capacitance Series 16pF 16 20 20pF 30 30pF 32 32pF

⑤ Operating Temperature

Code Ranges Α -10°C ~ +60°C В -20°C ~ +70°C -40°C ~ +85°C **6** Frequency Tolerance

Code Tolerance 10 ± 10 ppm 15 ± 15 ppm ± 20 ppm 25 ± 25 ppm 30 ± 30 ppm ± 50 ppm or specify

7 Frequency Stability

Code	Stability	
10	± 10 ppm	
15	± 15 ppm	
20	± 20 ppm	
25	± 25 ppm	
30	± 30 ppm	
50	± 50 ppm	
or specify		

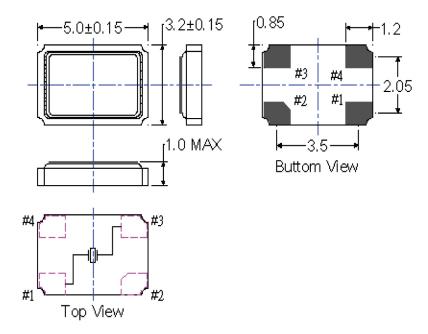


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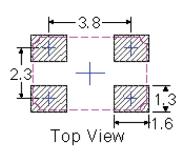
(4 Pads)

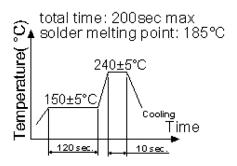


Dimensions:



Reference Land Pattern:





Packing:

