

FHQ Series Quartz Crystal AEC-Q200 Qualified 2.5 x 2.0mm

Quartz Crystal Ceramic SMD





2.5 x 2.0mm Ceramic SMD

Product Features

- Rugged AT-cut crystal construction
- Miniature 2.5 x 2.0mm ceramic package
- Available on tape & reel; 8mm tape, 3000 units per reel
- Pb-free and RoHS/Green compliant

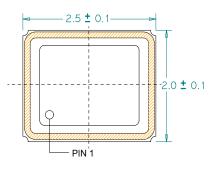
Product Description

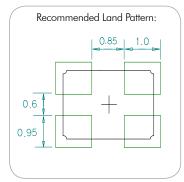
The 4-pad FH Series seam seal devices incorporate a sub-miniature AT-cut crystal resonator housed in a standard 2.5 x 2.0mm ceramic package. These compact crystal are ideal for surface mounting in densely populated PCB applications.

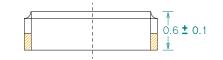
Applications

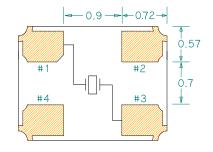
- Portable / hand-held PCs
- PCMCIA Cards
- Notebook PC
- Bluetooth
- Wireless LAN
- UWB
- ZigBee
- USB
- GPS
- HDD
- GSM, CDMA, GPRS

Package: (Dimensions are in mm)

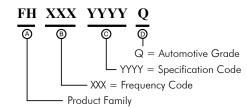








Part Ordering Information:



Following the above format, SaRonix-eCera part numbers will be assigned upon confirmation of exact customer requirements.

TEL:0755-33270075 QQ:1242727788 url:www.ruitairt.com •



16-0016 All specifications are subject to change without notice.

FHQ REV A

Quartz Crystal Ceramic SMD FHQ

FH Series Quartz Crystal AEC-Q200 Qualified 2.5 x 2.0mm

Frequency Range:

• 12.0000 MHz to 66.0000 MHz (Fundamental)

Characteristics at 25°C ±3°C:

- Frequency Calibration Tolerance: ± 10 ppm to ± 50 ppm
- Load Capacitance: 7 to 32pF or Series Resonance
- Effective Series Resistance (ESR):

12.0000MHz to 19.9999MHz: 140Ω max 20.0000MHz to 29.9999MHz: 70Ω max 30.0000MHz to 66.0000MHz: 50Ω max

- Drive Level: 10μ W typ. 100μ W max
- Shunt Capacitance: 5pF Max.

Temperature Range:

- Operating: -20 to +70°C; -40 to +85°C (AECQ Grade 3)
- Storage: -55 to +125°C

Temperature Stability:

- ± 10 ppm to ± 50 ppm (-20 to $+70^{\circ}C$)
- ±15ppm to ±50ppm (-40 to +85°C)

Aging at 25°C, First Year:

• ±3ppm Max

Reflow Temperature:

• 260°C Max, 10 seconds max

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