

# ECS-96SMF 21.4 MHz

## SMD Crystal Filter

The ECS-96SMF 21.400 MHz Miniature SMD Monolithic Crystal Filter offers a narrow bandwidth and a 2 pole response in a 5 x 7 package.

[Request a Sample](#)

### ECS-96SMF Series



- 5 x 7 Footprint
- 2 Pole Filter
- Tape and Reel Packaging

## OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

| Part Number *   | Center Frequency<br>Fo | Passband<br>Min. |        | Stopband<br>Max. |        | Attenuation<br>Guaranteed<br>Min. |      | Ripple<br>Max. | Loss<br>Max. | Terminating<br>Impedance | Operating<br>Temperature | No.<br>of<br>Poles |
|-----------------|------------------------|------------------|--------|------------------|--------|-----------------------------------|------|----------------|--------------|--------------------------|--------------------------|--------------------|
|                 | MHz                    | dB               | KHz    | dB               | KHz    | dB                                | KHz  | dB             | dB           | Ω/pF                     | °C                       |                    |
| ECS-96SMF21A7.5 | 21.400                 | 3                | ± 3.75 | 20               | ± 18.0 | 70                                | -910 | 1.0            | 2.0          | 850//6.0                 | -30 ~ +80                | 2                  |
| ECS-96SMF21A15  | 21.400                 | 3                | ± 7.5  | 18               | ± 25.0 | 70                                | -910 | 1.0            | 2.0          | 1500//1.5                | -30 ~ +80                | 2                  |
| ECS-96SMF21A20  | 21.400                 | 3                | ± 10.0 | 10               | ± 30.0 | 70                                | -910 | 1.0            | 2.0          | 1800//1.0                | -30 ~ +80                | 2                  |
| ECS-96SMF21A30  | 21.400                 | 3                | ± 15.0 | 15               | ± 45.0 | 70                                | -910 | 1.0            | 2.0          | 2000//0.5                | -30 ~ +80                | 2                  |

## Package Dimensions (mm)

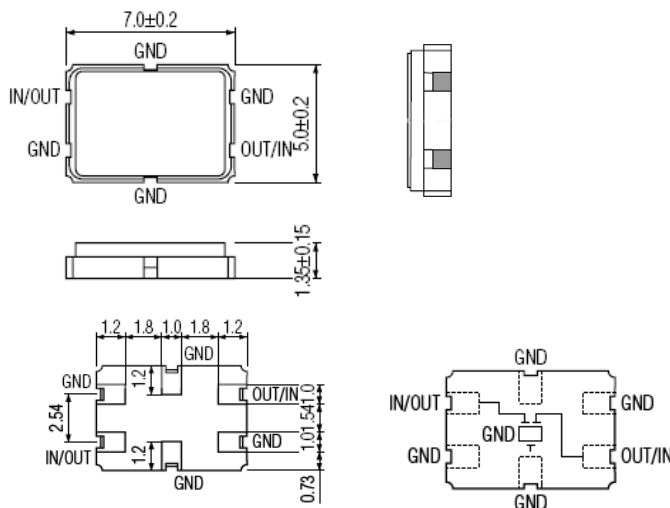


Figure 1) Top, Side and Bottom views

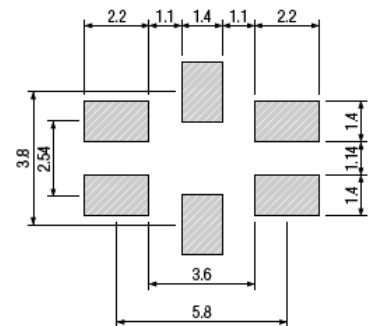


Figure 2) Land Pattern

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