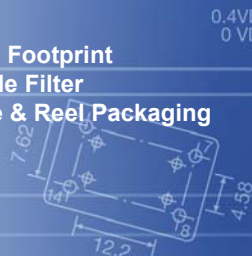


- ▶ 5 x 7 Footprint
- ▶ 2 Pole Filter
- ▶ Tape & Reel Packaging



# ECS-96SMF 21.4 MHz

## SMD CRYSTAL FILTER

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

### OPERATING CONDITIONS / ELECTRICAL CHARACTERISTICS

| PART NUMBER *   | CENTER FREQUENCY<br>F <sub>o</sub> | PASSBAND MIN. |        | STOPBAND MAX. |        | ATTENUATION GUARANTEED MIN. |      | RIPPLE MAX. | LOSS MAX. | TERMINATING IMPEDANCE | OPERATING TEMPERATURE | NO. OF 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   | 10            | ± 30.0 | 70                          | -910 | 1.0         | 2.0       | 1800//1.0             | -30 ~ +80             | 2            |
| ECS-96SMF21A30  | 21.400                             | 3             | ± 15   | 15            | ± 45.0 | 70                          | -910 | 1.0         | 2.0       | 2000//0.5             | -30 ~ +80             | 2            |

### PACKAGE DIMENSIONS (mm)

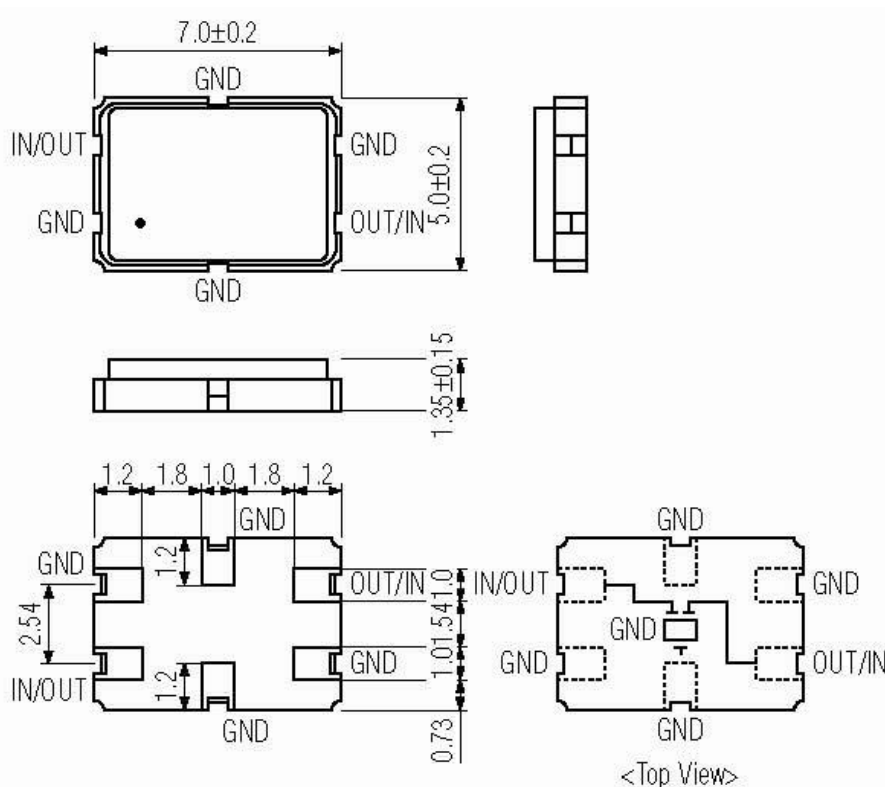


Figure 1) Top, Side and Bottom Views

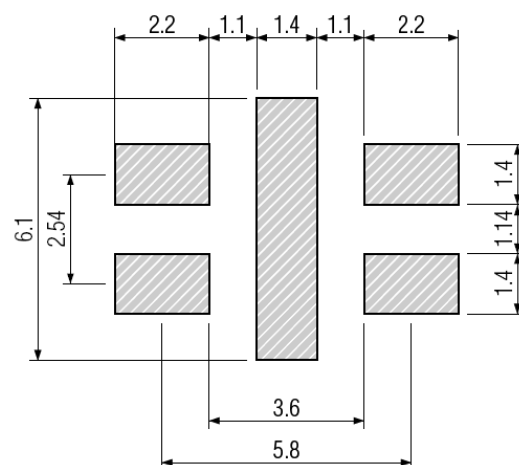


Figure 2) Land Pattern

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

ECS:

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