

# MF1150V-2

FOR AMPS MOBILE TELEPHONE, Rx

MF1150V-2

## DESCRIPTION

This SAW filter for the receiving RF circuit of AMPS mobile communication equipment operating at 869 MHz ~ 894 MHz.

## FEATURES

1. SMD package insures small size, lightweight.
2. Adjustment free.
3. Low insertion loss.
4. Wide and sharp passband characteristics.
5. High stability and reliability.
6. Designed for reflow solderings

## APPLICATION

- Mobile Cellular Telephone
- Portable Cellular Telephone
- Wireless equipment

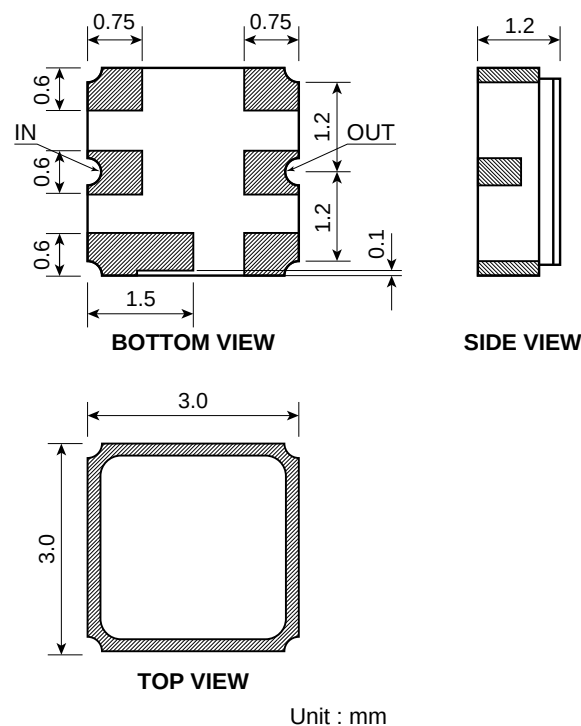
## MAXIMUM RATINGS

| Rating                      | Value     | Unit |
|-----------------------------|-----------|------|
| Input Power                 | 50        | mW   |
| Operating Temperature Range | -20 to 75 | °C   |
| Storage Temperature Range   | -30 to 85 | °C   |

## ELECTRICAL PERFORMANCE

| Parameter                | MF1150V-2 |     |     | Units |
|--------------------------|-----------|-----|-----|-------|
|                          | Min       | Typ | Max |       |
| PASSBAND FREQUENCY       | 869 – 894 |     |     | MHz   |
| PASSBAND CHARACTERISTICS |           |     |     |       |
| Insertion Loss           |           | 2.4 | 3.0 | dB    |
| Ripple                   |           | 1.0 | 2.0 | dBp-p |
| VSWR                     |           | 1.9 | 2.5 |       |
| STOPBAND ATTENUATION     |           |     |     |       |
| 0 – 849 MHz              | 20        | 28  |     | dB    |
| 914 – 939 MHz            | 15        | 32  |     | dB    |
| 939 – 1049 MHz           | 24        | 31  |     | dB    |
| 1049 – 2000 MHz          | 20        | 31  |     | dB    |

## PACKAGE OUTLINE DIMENSIONS



DIMENSIONS ARE IN MILLIMETERS  
±0.2 UNLESS OTHERWISE SPECIFIED

## MF1150V-2 TYPICAL CHARACTERISTICS

