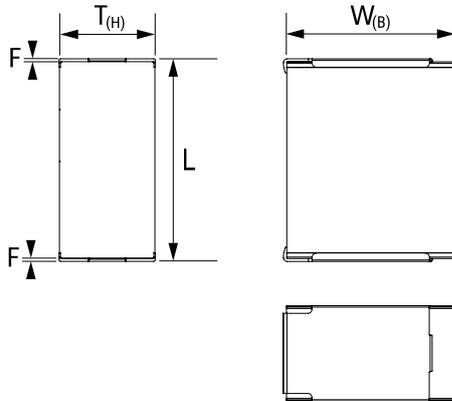


# SMP253MA4250MTR24

Aliases (P101AA252M250V)

Recommended Replacement SMP253EA4250MB31TR24

SMP253 250 VAC, Film, Metallized Paper, Automotive Safety, 2,500 pF, 20%, 1,500 VDC, 250 VAC, 100°C, 6.5 mm, 5045 / 127114



Note: '()' correspond to the letters used in the product bulletin

Click [here](#) for the 3D model.

## General Information

|                          |  |
|--------------------------|--|
| Series                   | SMP253 250 VAC   |
| Dielectric               | Metallized Paper   |
| Style                    | SMD Chip   |
| RoHS                     | Yes  |
| Termination              | Tin  |
| Safety Class             | Y2   |
| Qualifications           | ENEC, cULus  |
| Typical Component Weight | 1.6 g  |
| Notes                    | Recommended Replacement<br><a href="https://www.kemet.com/en/us/product/SMP253EA4250MB31TR24.html">https://www.kemet.com/en/us/product/SMP253EA4250MB31TR24.html</a> . |

| Dimensions           |               |
|----------------------|---------------|
| L                    | 12.7mm +0.4mm |
| W                    | 11.5mm +0.6mm |
| T                    | 6.5mm +0.4mm  |
| F                    | 0.5mm NOM     |
| Case Code (EIA / mm) | 5045 / 127114 |

| Packaging Specifications |     |
|--------------------------|-----|
| Packaging                | T&R |
| Packaging Quantity       | 600 |

| Specifications        |            |
|-----------------------|------------|
| Capacitance           | 2,500 pF   |
| Tolerance             | 20%        |
| Voltage DC            | 1500 VDC   |
| Voltage AC            | 250 VAC    |
| Temperature Range     | -40/+100°C |
| Rated Temperature     | 100°C      |
| Dissipation Factor    | 1.3% 1kHz  |
| Insulation Resistance | 12 GOhms   |
| Max dV/dt             | 2,000 V/us |

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