

Automotive Qualified Professional and Precision Thin Film Chip Resistors



KEY BENEFITS

- High permissible film temperatures up to 175 °C
- High power rating up to $P_{85} = 400$ mW
- Excellent humidity resistance
- New construction ensures extreme stability and reliability
- Precision tolerance down to ± 0.1 %; precision TCR down to ± 10 ppm/K
- AEC-Q200 qualified

APPLICATIONS

- Automotive
- Telecommunications
- Industrial equipment
- Test and measurement equipment
- Medical

RESOURCES

- Datasheet: MC AT Professional Series - <http://www.vishay.com/doc?28760>
- Datasheet: MC AT Precision Series - <http://www.vishay.com/doc?28785>
- For technical questions contact thinfilmchip@vishay.com

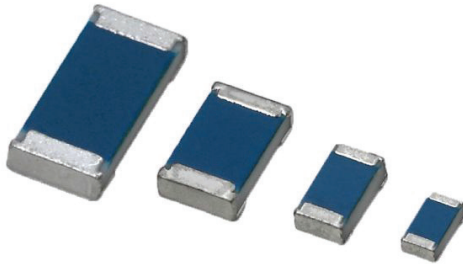


THIN FILM RESISTORS

MC AT Professional and Precision Series

Resistors - AEC-Q200 Qualified Thin Film Chip

Professional Thin Film Chip Resistors



Revision 18-Jan-13

Automotive-grade MC AT professional thin film chip resistors are the perfect choice for most fields of modern professional electronics where reliability and stability are of major concern. Typical applications include automotive, industrial, telecommunication, medical equipment, and precision test and measurement equipment.

FEATURES

- Operating temperature up to 175 °C for 1000 h
- Rated dissipation P_{85} up to 0.4 W for size 1206
- AEC-Q200 qualified
- Approved to EN 140401-801
- Professional tolerance of resistance: $\pm 0.5\%$ and $\pm 1\%$
- Professional TCR of resistance ± 50 ppm/K; ± 25 ppm/K
- Waste gas resistance verified by ASTM B 809
- Case sizes: 0402 to 1206
- Superior temperature cycling robustness
- Lead (Pb)-free solder contacts
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912

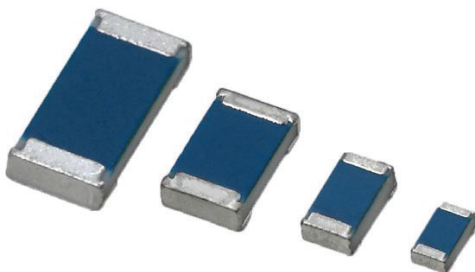


RoHS
COMPLIANT

APPLICATIONS

- Automotive
- Telecommunication
- Medical equipment
- Industrial equipment

Precision Thin Film Chip Resistors



Revision 21-Jan-13

Automotive-grade MC AT precision thin film chip resistors are the perfect choice for most fields of modern precision electronics where reliability and stability are of major concern. Typical applications include automotive, industrial, telecommunication, medical equipment, and precision test and measurement equipment.

FEATURES

- Rated dissipation P_{70} up to 0.4 W for size 1206
- AEC-Q200 qualified
- Approved to EN 140401-801
- Superior temperature cycling robustness
- Precision tolerance of resistance: $\pm 0.1\%$ and $\pm 0.25\%$
- Precision TCR of resistance: ± 25 ppm/K; ± 15 ppm/K; and ± 10 ppm/K
- Waste gas resistance verified by ASTM B 809
- Case sizes: 0402 to 1206
- Superior temperature cycling robustness
- Lead (Pb)-free solder contacts
- Material categorization: For definitions of compliance please see www.vishay.com/doc?99912



RoHS
COMPLIANT

APPLICATIONS

- Automotive
- Telecommunication
- Medical equipment
- Industrial equipment