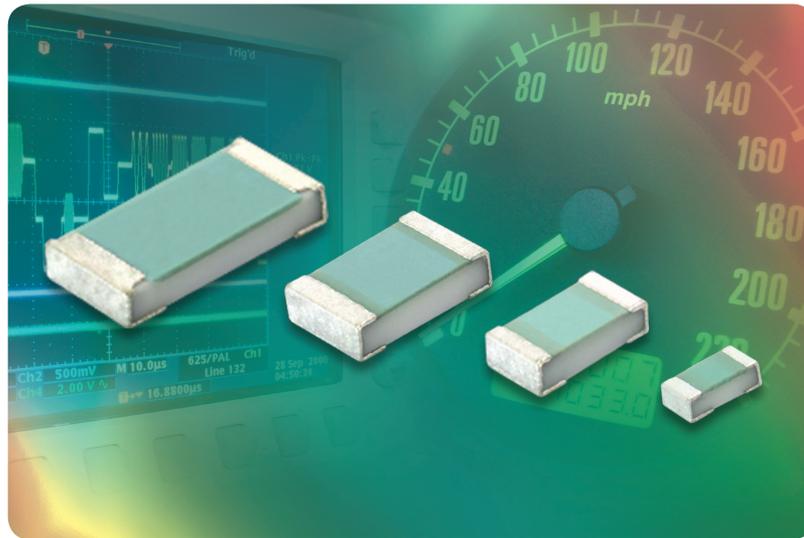




# THIN FILM RESISTORS

## MC Professional and Precision Series

### Professional and Precision Thin Film Flat Chip Resistors



#### KEY BENEFITS

- Thin film technology
- Tolerance down to  $\pm 0.1\%$ , TCR down to  $\pm 10$  ppm/K for MC Precision Series
- Superior overall stability: down to Class 0.1 and 0.25 for MC Precision Series
- Approved according to EN 140 401-801

#### APPLICATIONS

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

#### RESOURCES

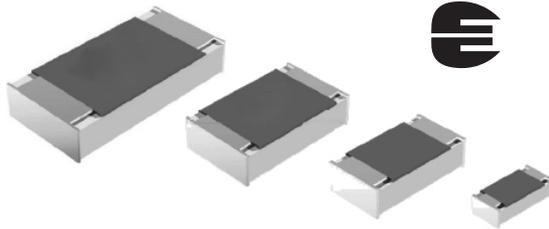
- Datasheet: MC Professional Series - [www.vishay.com/doc?28705](http://www.vishay.com/doc?28705)
- Datasheet: MC Precision Series - [www.vishay.com/doc?28700](http://www.vishay.com/doc?28700)
- For technical questions contact [thinfilmchip@vishay.com](mailto:thinfilmchip@vishay.com)

Resistors - Precision, Reliability, and Stability

One of the World's Largest Manufacturers of  
Discrete Semiconductors and Passive Components



### Professional Thin Film Flat Chip Resistors



MCS 0402, MCT 0603, MCU 0805 and MCA 1206 professional thin film flat chip resistors are the perfect choice for most fields of modern professional electronics where reliability and stability is of major concern. Typical applications include telecommunication, medical equipment and high-end computer and audio/video electronics.

Revision 24-Jan-13

#### FEATURES

- Approved to EN 140401-801
- Excellent overall stability: Class 0.5
- Professional tolerance of value:  $\pm 0.5\%$  and  $\pm 1\%$
- Lead (Pb)-free solder contacts
- Waste gas resistance verified by ASTM B 809
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)

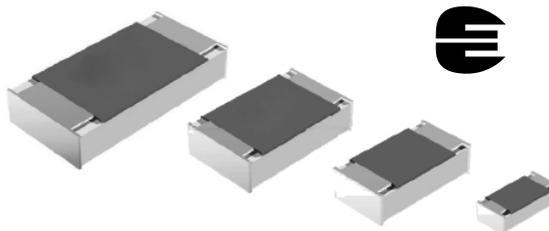


**RoHS**  
COMPLIANT

#### APPLICATIONS

- Automotive
- Telecommunication
- Medical equipment
- Industrial equipment

### Precision Thin Film Flat Chip Resistors



Thin film flat chip resistors combine the proven reliability of the professional products with an advanced level of precision and stability. Therefore they are perfectly suited for applications in the fields of test and measuring equipment together with industrial and medical electronics.

Revision 16-Jan-13

#### FEATURES

- Approved to EN 140401-801
- Low TCR:  $\pm 10$  ppm/K to  $\pm 25$  ppm/K
- Precision tolerance of resistance:  $\pm 0.1\%$  and  $\pm 0.25\%$
- Superior overall stability: Class 0.1 and 0.25
- Lead (Pb)-free solder contacts
- Waste gas resistance verified by ASTM B 809
- Material categorization: For definitions of compliance please see [www.vishay.com/doc?99912](http://www.vishay.com/doc?99912)



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COMPLIANT

#### APPLICATIONS

- Automotive
- Test and measuring equipment
- Medical equipment