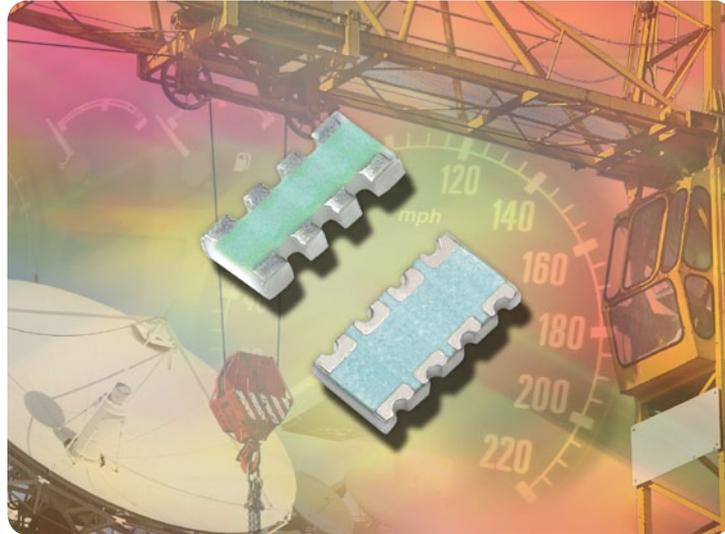


THIN FILM RESISTOR ARRAYS

ACAC 0612 and ACAS 0612 Professional Series

Resistors - Tight TCR and Low Tolerance Array

Professional Thin Film Chip Resistor Arrays



KEY BENEFITS

- Four resistors in one package
- Two pairs or four equal resistor values
- TCR down to ± 25 ppm/K
- Tolerance down to ± 0.5 %
- Up to 40 % space savings and reduced placement costs
- Pure Sn termination on Ni barrier layer
- Compliant to RoHS directive 2011/65/EU

APPLICATIONS

- Voltage dividers
- Feedback circuits
- Signal conditioning
- Measurement bridges
- DC/DC converters
- Power supplies

RESOURCES

- Datasheet: ACAC 0612, ACAS 0612 Professional Series - <http://www.vishay.com/doc?28754>
- For technical questions contact ff3aresistors@vishay.com

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

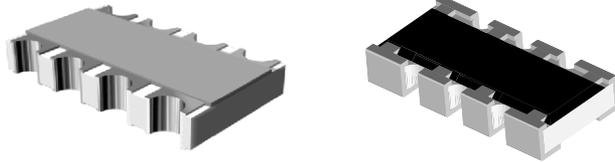


THIN FILM RESISTOR ARRAYS

ACAC 0612 and ACAS 0612 Professional Series



Professional Thin Film Chip Resistor Arrays



ACAC 0612 (concave terminations) and ACAS 0612 (convex terminations) thin film chip resistor arrays combine the proven reliability of professional thin film chip resistor products with the advantages of chip resistor arrays. A small package enables the design of high density circuits in combination with reduction of assembly costs. Four equal resistor values or two pairs are available.

FEATURES

- Advanced thin film technology
- Two pairs or four equal resistor values
- TCR down to ± 25 ppm/K
- Tolerance down to ± 0.5 %
- Pure Sn termination on Ni barrier layer
- Compliant to RoHS directive 2011/65/EU



RoHS
COMPLIANT

APPLICATIONS

- Voltage divider
- Feedback circuits
- Signal conditioning

TECHNICAL SPECIFICATIONS

DESCRIPTION	ACAC 0612, ACAS 0612
EIA size	0612
Metric size	RR 1632M
Configuration, isolated	4 x 0603
Design:	
All equal	AE
Two pairs	TP
Resistance values	47Ω to $221 \text{ k}\Omega$ ⁽¹⁾
Absolute tolerance ⁽²⁾	± 1 %; ± 0.5 %
Absolute temperature coefficient ⁽²⁾	± 50 ppm/K; ± 25 ppm/K
Max. resistance ratio $R_{\min.}/R_{\max.}$	1:10
Rated dissipation: P_{70} ⁽³⁾	
Element	0.1 W
Package, 4 x 0603	0.3 W
Operating voltage	75 V
Permissible film temperature	125 °C
Insulation voltage (U_{ins}) against ambient and between isolated resistors, continuous	75 V

Revision 19-Nov-09

Notes

- ⁽¹⁾ Resistance values to be selected from E24 and E96
- ⁽²⁾ For TCR tracking, tolerance matching and tighter absolute tolerance please refer to data sheet ACAC 0612, ACAS 0612 - Precision available on our web site at www.vishay.com/doc?28751
- ⁽³⁾ Please refer to APPLICATION INFORMATION, see below