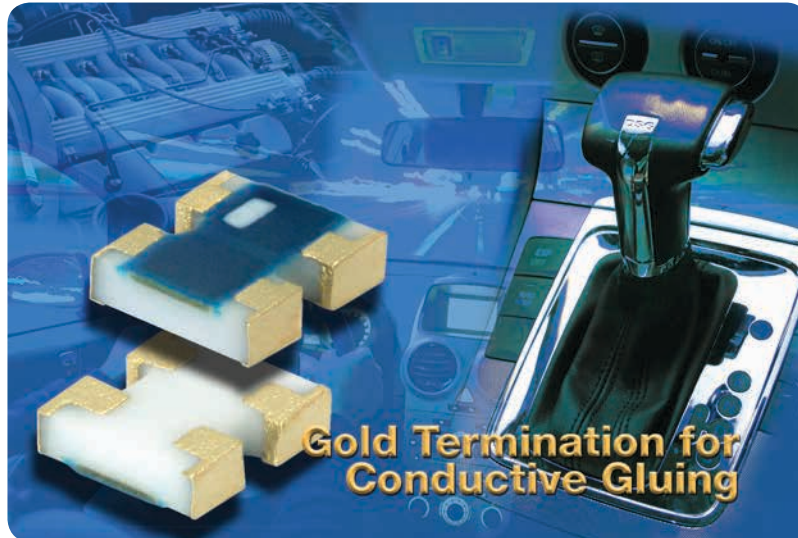




THIN FILM CHIP RESISTOR ARRAYS

ACAS 0606 ATAU

Precision Gold Terminated Thin Film Chip Array for Conductive Gluing



KEY BENEFITS

- Gold terminations for conductive gluing
- Relative tolerance down to $\pm 0.05\%$
- Relative TCR down to ± 5 ppm/K
- For high-temperature applications

APPLICATIONS

- Automotive and industrial applications
- Industrial electronics: energy management, measurement and control technology
- Automotive electronics: engine control unit, gear box control, safety, power supply electronics, body electronics, braking systems, lighting

RESOURCES

- Datasheet: ACAC 0606 ATAU - <http://www.vishay.com/doc?28876>
- For technical questions contact thinfilmmarray@vishay.com

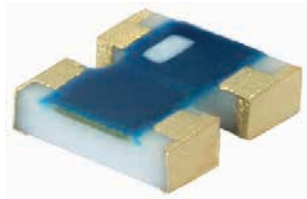




THIN FILM CHIP RESISTOR ARRAYS

ACAS 0606 ATAU

Precision Gold Terminated Thin Film Chip Array for Conductive Gluing



The ACAS 0606 AT precision resistor array with convex terminations for conductive gluing combines the proven reliability of discrete chip resistors with the advantages of chip resistor arrays. Defined relative tolerance and relative TCR make this product perfectly suited for applications that require stable fixed resistor ratios. The ACAS 0606 AT is available with two equal or two different resistor values.

FEATURES

- Gold terminations for conductive gluing
- Superior moisture resistivity, $|\Delta R/R| < 0.5\%$ (85 °C; 85 % RH; 1000 h)
- Rated dissipation P_{70} up to 125 mW per resistor
- ESD stability 1000 V, human body model
- Relative TCR down to ± 5 ppm/K
- Relative tolerance down to $\pm 0.05\%$
- AEC-Q200 qualified
- Material categorization: for definitions of compliance please see www.vishay.com/doc?99912



APPLICATIONS

- Precision analog circuits
- Voltage divider
- Feedback circuits
- Signal conditioning
- Hybrid circuits

TECHNICAL SPECIFICATIONS	
DESCRIPTION	ACAS ATAU
EIA size	0606
Metric size	RR 1616M
Configuration, isolated	2 x 0603
Design:	
All equal values (AE)	AE
Different values (DF)	DF
Resistance range	100 Ω to 150 k Ω ⁽¹⁾
Absolute tolerance	$\pm 0.5\%$; $\pm 0.25\%$
Relative tolerance	$\pm 0.05\%$; $\pm 0.125\%$; $\pm 0.25\%$
Absolute temperature coefficient	± 25 ppm/K
Relative TCR	± 5 ppm/K; ± 7.5 ppm/K; ± 12.5 ppm/K
Max. resistance ratio R_{min}/R_{max}	1:20
Rated dissipation: P_{70}	
Element	0.125 W
Package	0.2 W
Operating voltage, U_{max} , AC/DC	75 V
Permissible film temperature	155 °C
Operating temperature range	-55 °C to 155 °C
Insulation voltage (U_{ins}) against ambient and between integrated resistors, continuous	75 V

Note

⁽¹⁾ Resistance values to be selected from E24; E192.

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