

# THICK FILM RESISTORS

## Pick of the Chips D/CRCW e3



### Surface-Mount Thick Film Chip Resistors Engineering Design Kit



#### KEY BENEFITS

- Convenient to use by engineers
- Aids in the design work process
- AEC-Q200 qualified
- 0402, 0603, 0805, and 1206 case sizes
- Feature E96 series resistance values from 10  $\Omega$  to 1 M $\Omega$  (every fourth value) in addition to a 0  $\Omega$  jumper

#### APPLICATIONS

- Automotive
- Industrial equipment
- Telecom infrastructure
- Consumer
- Computer

#### RESOURCES

- Datasheet: Pick of the Chips D/CRCW e3 - <http://www.vishay.com/doc?31092>
- For technical questions contact [thickfilmchip@vishay.com](mailto:thickfilmchip@vishay.com)



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# THICK FILM RESISTORS

## Pick of the Chips D/CRCW e3

### Thick Film Chip Resistors Engineering Design Kit, Surface Mount



#### FEATURES

- The commercial-off-the-shelf Thick Film Chip Resistors are now conveniently taped in strips, individually labeled and packaged in new engineering design kits
- The kits contain 1/4 E96 series
- The values specified  $\pm 1\%$  tolerance and  $\pm 100$  ppm/K
- Compliant to RoHS Directive 2002/95/EC
- Halogen-free according to IEC 61249-2-21 definition
- AEC-Q200 qualified
- For further information refer to datasheet D/CRCW e3: [www.vishay.com/doc?20035](http://www.vishay.com/doc?20035)

#### MINILABS, STANDARD ELECTRICAL SPECIFICATIONS

PART NUMBER	PRODUCT	RATED DISSIPATION $P_{70}$ W	LIMITING ELEMENT VOLTAGE $U_{max}$ AC/DC	TEMPERATURE COEFFICIENT ppm/K	TOL. %	RESISTANCE RANGE $\Omega$	SERIES	QUANTITY PIECES
LAE1ACHIP0402KFE96	D10/CRCW0402 e3	0.063	50	$\pm 100$	$\pm 1$	10R to 1M + Jumper	1/4 E96	122 x 100
LAE1BCHIP0603KFE96	D11/CRCW0603 e3	0.10	75	$\pm 100$	$\pm 1$	10R to 1M + Jumper	1/4 E96	122 x 50
LAE1CCHIP0805KFE96	D12/CRCW0805 e3	0.125	150	$\pm 100$	$\pm 1$	10R to 1M + Jumper	1/4 E96	122 x 50
LAE1DCHIP1206KFE96	D25/CRCW1206 e3	0.25	200	$\pm 100$	$\pm 1$	10R to 1M + Jumper	1/4 E96	122 x 50

#### PART NUMBER AND PRODUCT DESCRIPTION

PART NUMBER: LAE1ACHIP0402KFE96

L A E 1 A C H I P 0 4 0 2 K F E 9 6

MODEL	PRODUCT	TCR	TOLERANCE	SERIES
LAE 1A LAE 1B LAE 1C LAE 1D	CHIP RESISTOR 0402 CHIP RESISTOR 0603 CHIP RESISTOR 0805 CHIP RESISTOR 1206	$K = \pm 100$ ppm/K	$F = \pm 1\%$	1/4 E96

PRODUCT DESCRIPTION: LAB D10/CRCW0402 100 1/4 E96 1% 122x100 e3

LAB	D10/CRCW0402	100	1/4 E96	1%	122x100	e3
MODEL	PRODUCT	TCR	VALUE/SERIES	TOLERANCE	QUANTITY	LEAD (Pb)-FREE
Minilab, Thick Film Chip	D10/CRCW0402 D11/CRCW0603 D12/CRCW0805 D25/CRCW1206	$\pm 100$ ppm/K	Every fourth value from E96 series	$\pm 1\%$	122 x 100 122 x 50	e3 = Pure tin component termination finish

Revision 07-Sep-11

Resistors – New Engineering Design Kits