

VISHAY/DALE Current Sensing SMD Resistors

RCWE AND RCWL SERIES - THICK FILM - CHIP RESISTORS

Features:

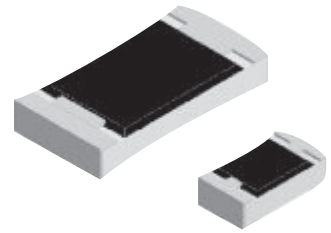
- Extremely low resistance values (0.01Ω to 0.976Ω)
- Halogen-free according to IEC 61249-2-21
- Suitable for current sensing and shunts
- Metal glaze on high quality ceramic
- Protective overglaze

Specifications:

- Resistance Tolerance: ±1%, ±5%
- Operating Temp. Range: -55°C to +155°C
- Cut tape and reels available



RoHS Compliant



RCWE SERIES

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Vishay Part Number | Value Ω | Price Each | | | | Reel Qty. | Price Per Piece |
|---|--------------------|---------|------------|------|------|-----|-----------|-----------------|
| | | | 1 | 50 | 100 | 500 | | |
| 0402 Case Size - 1/8 Watt 100ppm | | | | | | | | |
| 71-RCWE0402R200FKEA | RCWE0402R200FKEA | .20 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R300FKEA | RCWE0402R300FKEA | .30 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R220FKEA | RCWE0402R220FKEA | .22 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R240FKEA | RCWE0402R240FKEA | .24 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R270FKEA | RCWE0402R270FKEA | .27 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R330FKEA | RCWE0402R330FKEA | .33 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R360FKEA | RCWE0402R360FKEA | .36 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R390FKEA | RCWE0402R390FKEA | .39 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R430FKEA | RCWE0402R430FKEA | .43 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R470FKEA | RCWE0402R470FKEA | .47 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R510FKEA | RCWE0402R510FKEA | .51 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R560FKEA | RCWE0402R560FKEA | .56 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R620FKEA | RCWE0402R620FKEA | .62 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R680FKEA | RCWE0402R680FKEA | .68 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R750FKEA | RCWE0402R750FKEA | .75 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R820FKEA | RCWE0402R820FKEA | .82 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R910FKEA | RCWE0402R910FKEA | .91 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 0402 Case Size - 1/8 Watt 200ppm | | | | | | | | |
| 71-RCWE0402R110FNEA | RCWE0402R110FNEA | .11 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R120FNEA | RCWE0402R120FNEA | .12 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R130FNEA | RCWE0402R130FNEA | .13 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R150FNEA | RCWE0402R150FNEA | .15 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R160FNEA | RCWE0402R160FNEA | .16 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 71-RCWE0402R180FNEA | RCWE0402R180FNEA | .18 | 2.00 | .917 | .527 | .46 | 10000 | .324 |
| 0603 Case Size - 1/8 Watt 100ppm | | | | | | | | |
| 71-RCWE0603R200FKEA | RCWE0603R200FKEA | .20 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R300FKEA | RCWE0603R300FKEA | .30 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R110FKEA | RCWE0603R110FKEA | .11 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R120FKEA | RCWE0603R120FKEA | .12 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R130FKEA | RCWE0603R130FKEA | .13 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R150FKEA | RCWE0603R150FKEA | .15 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R160FKEA | RCWE0603R160FKEA | .16 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R180FKEA | RCWE0603R180FKEA | .18 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R220FKEA | RCWE0603R220FKEA | .22 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R240FKEA | RCWE0603R240FKEA | .24 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R270FKEA | RCWE0603R270FKEA | .27 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R330FKEA | RCWE0603R330FKEA | .33 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R360FKEA | RCWE0603R360FKEA | .36 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R390FKEA | RCWE0603R390FKEA | .39 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R430FKEA | RCWE0603R430FKEA | .43 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R470FKEA | RCWE0603R470FKEA | .47 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R510FKEA | RCWE0603R510FKEA | .51 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R560FKEA | RCWE0603R560FKEA | .56 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R620FKEA | RCWE0603R620FKEA | .62 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R680FKEA | RCWE0603R680FKEA | .68 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R750FKEA | RCWE0603R750FKEA | .75 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R820FKEA | RCWE0603R820FKEA | .82 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0603R910FKEA | RCWE0603R910FKEA | .91 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 0805 Case Size - 1/4 Watt 100ppm | | | | | | | | |
| 71-RCWE0805R300FKEA | RCWE0805R300FKEA | .30 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R220FKEA | RCWE0805R220FKEA | .22 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R240FKEA | RCWE0805R240FKEA | .24 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R270FKEA | RCWE0805R270FKEA | .27 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R330FKEA | RCWE0805R330FKEA | .33 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R360FKEA | RCWE0805R360FKEA | .36 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R390FKEA | RCWE0805R390FKEA | .39 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R430FKEA | RCWE0805R430FKEA | .43 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R470FKEA | RCWE0805R470FKEA | .47 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R510FKEA | RCWE0805R510FKEA | .51 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R560FKEA | RCWE0805R560FKEA | .56 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R620FKEA | RCWE0805R620FKEA | .62 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R680FKEA | RCWE0805R680FKEA | .68 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R750FKEA | RCWE0805R750FKEA | .75 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R820FKEA | RCWE0805R820FKEA | .82 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 71-RCWE0805R910FKEA | RCWE0805R910FKEA | .91 | 2.00 | .917 | .527 | .46 | 5000 | .335 |
| 1206 Case Size - 1/2 Watt 100ppm | | | | | | | | |
| 71-RCWE1206R300FKEA | RCWE1206R300FKEA | .30 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R220FKEA | RCWE1206R220FKEA | .22 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R240FKEA | RCWE1206R240FKEA | .24 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R270FKEA | RCWE1206R270FKEA | .27 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R330FKEA | RCWE1206R330FKEA | .33 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R360FKEA | RCWE1206R360FKEA | .36 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R390FKEA | RCWE1206R390FKEA | .39 | 1.82 | .954 | .55 | .44 | 5000 | .372 |

For quantities greater than listed, call for quote.

| MOUSER STOCK NO. | Vishay Part Number | Value Ω | Price Each | | | | Reel Qty. | Price Per Piece |
|---|--------------------|---------|------------|------|-----|-----|-----------|-----------------|
| | | | 1 | 50 | 100 | 500 | | |
| 1206 Case Size (Cont.) - 1/2 Watt 100ppm | | | | | | | | |
| 71-RCWE1206R430FKEA | RCWE1206R430FKEA | .43 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R470FKEA | RCWE1206R470FKEA | .47 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R510FKEA | RCWE1206R510FKEA | .51 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R560FKEA | RCWE1206R560FKEA | .56 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R620FKEA | RCWE1206R620FKEA | .62 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R680FKEA | RCWE1206R680FKEA | .68 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R750FKEA | RCWE1206R750FKEA | .75 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R820FKEA | RCWE1206R820FKEA | .82 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1206R910FKEA | RCWE1206R910FKEA | .91 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 1210 Case Size - 1 Watt 100ppm | | | | | | | | |
| 71-RCWE1210R300FKEA | RCWE1210R300FKEA | .30 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R220FKEA | RCWE1210R220FKEA | .22 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R240FKEA | RCWE1210R240FKEA | .24 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R270FKEA | RCWE1210R270FKEA | .27 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R330FKEA | RCWE1210R330FKEA | .33 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R360FKEA | RCWE1210R360FKEA | .36 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R390FKEA | RCWE1210R390FKEA | .39 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R430FKEA | RCWE1210R430FKEA | .43 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R470FKEA | RCWE1210R470FKEA | .47 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R510FKEA | RCWE1210R510FKEA | .51 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R560FKEA | RCWE1210R560FKEA | .56 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R620FKEA | RCWE1210R620FKEA | .62 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R680FKEA | RCWE1210R680FKEA | .68 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R750FKEA | RCWE1210R750FKEA | .75 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R820FKEA | RCWE1210R820FKEA | .82 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 71-RCWE1210R910FKEA | RCWE1210R910FKEA | .91 | 1.82 | .954 | .55 | .44 | 5000 | .372 |
| 2010 Case Size - 1 Watt 100ppm | | | | | | | | |
| 71-RCWE2010R510FKEA | RCWE2010R510FKEA | .51 | 1.85 | .99 | .56 | .45 | 4000 | .365 |
| 71-RCWE2010R560FKEA | RCWE2010R560FKEA | .56 | 1.85 | .99 | .56 | .45 | 4000 | .365 |
| 71-RCWE2010R620FKEA | RCWE2010R620FKEA | .62 | 1.85 | .99 | .56 | .45 | 4000 | .365 |
| 71-RCWE2010R680FKEA | RCWE2010R680FKEA | .68 | 1.85 | .99 | .56 | .45 | 4000 | .365 |
| 71-RCWE2010R750FKEA | RCWE2010R750FKEA | .75 | 1.85 | .99 | .56 | .45 | 4000 | .365 |
| 71-RCWE2010R82 | | | | | | | | |