



RCWE / RCWL

THICK FILM - CURRENT SENSE

A **WORLD OF**
SOLUTIONS





THICK FILM - CURRENT SENSE RESISTORS

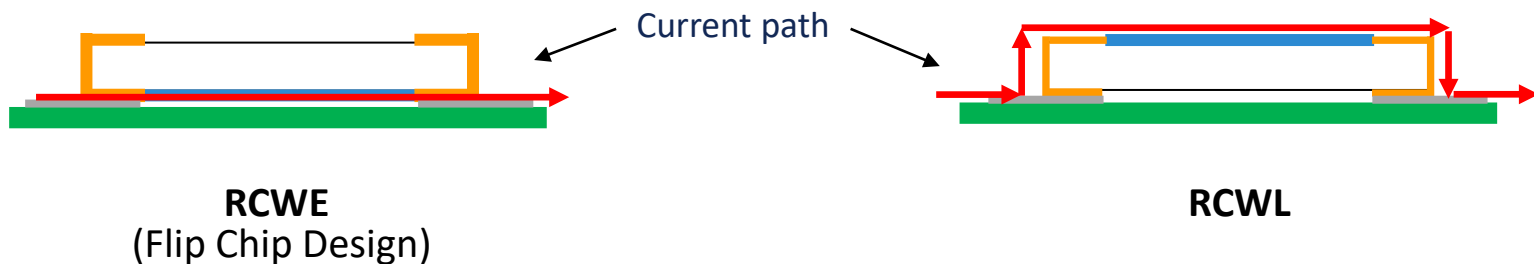
RCWE / RCWL Construction

RCWE (Power and Precision)

- Flip Chip design reduces TCR as compared to typical commodity chip resistors.
- Heavy Copper used for terminations
 - Increases power handling
 - Reduces termination resistance
- Long-side/Reverse termination available

RCWL (Standard)

- More terminal in circuit path results in higher TCR than RCWE



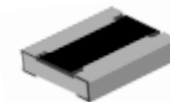
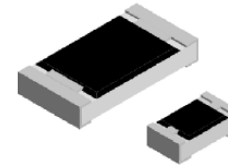


THICK FILM - CURRENT SENSE RESISTORS

RCWE (**Increased** Power and Precision)

Features

- 0402 TO 2512 case sizes
- Resistance values 0.01 Ω to 0.976 Ω
- $\pm 1\%$ Standard (**0.5%** available)
- **Double** Power Rating of Standard thick film
- TCR: ± 100 ppm/° C best
- **Long-Side / Reverse Termination** Available (4x power rating over standard termination thick film designs)
- AEC-Q200 qualified



E96 decades for 1% tolerance



DC / DC Conversion
Climate Controls
Lighting



Patient Monitoring
Portable defibrillator
Implantable Devices



Voltage Regulator Modules
Disc Drive Motor Control

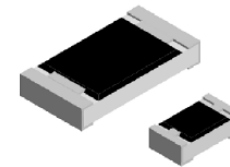


THICK FILM - CURRENT SENSE RESISTORS

RCWL (**Standard** Power & Precision)

Features

- 0402 TO 2512 case size
- Resistance values 0.1 Ω to 0.91 Ω
- $\pm 5\%$ Tolerance and **Standard** power rating
- TCR: ± 200 ppm/° C best
- AEC-Q200 qualified



E24 decades for 5% tolerance



DC / DC Conversion
Multi-Media
Lighting



General Motor Control
Brushless DC Motor Control



Inverter Control for
Air Conditioning
White Goods