

Metal Element SMD Power Resistors for Current Sense Requirements



Rolling Meadows, IL
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Ohmite Manufacturing has extended its range of metal element, SMD, current sense resistors with the release of the FCSL product range. These 2, 3, and 4 watt packages are available in 6 popular resistance values for each size. Using nickel-copper resistance elements bonded to high purity alumina substrates, the FCSL Series offers low TCR, inductance, and thermo EMF benefits. Electrodes situated on the long side of the rectangular chip facilitate heat evacuation and provide for increased power ratings on each size. Values as low as 0.001 ohms are available from stock with prices range from \$0.50-\$0.80 each in prototype quantities to sub \$0.35-\$0.56 in production lots, depending on size. 1000 units per reel for all sizes, with cut reels for smaller requirements available through Ohmite Distributors.

STANDARD PART NUMBERS

| STANDARD VALUES | | | | | |
|-----------------|--------------|--------------|--------------|-----------|------------|
| Ohms | 2 Watts | 3 Watts | 4 Watts | Tolerance | TCR |
| 0.0010 | FCSL64R001JE | FCSL76R001JE | FCSL90R001JE | ±5% | ±150ppm/°C |
| 0.0020 | FCSL64R002GE | FCSL76R002GE | FCSL90R002GE | ±2% | ±100ppm/°C |
| 0.0050 | FCSL64R005FE | FCSL76R005FE | FCSL90R005FE | ±1% | ±50ppm/°C |
| 0.0100 | FCSL64R010FE | FCSL76R010FE | FCSL90R010FE | ±1% | ±50ppm/°C |
| 0.0250 | FCSL64R025FE | FCSL76R025FE | FCSL90R025FE | ±1% | ±50ppm/°C |
| 0.0500 | FCSL64R050FE | FCSL76R050FE | FCSL90R050FE | ±1% | ±50ppm/°C |