

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