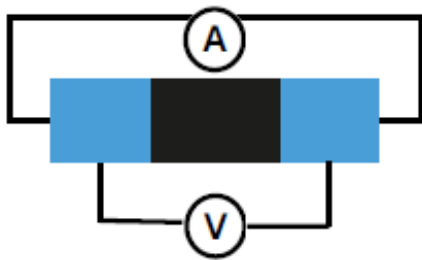


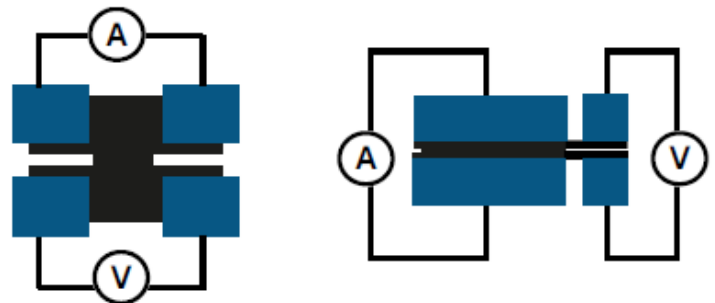
Our current sense resistors utilize a thin metal foil or plate as the resistive element, providing numerous advantages such as exceptional precision, low temperature coefficient of resistance (TCR), and outstanding stability. These components demonstrate characteristics such as low noise, high power handling capabilities, and minimal inductance, making them ideal for applications demanding reliable and high-performance resistor solutions.

Our current sensing resistors includes both 2-terminal and 4-terminal constructions, providing versatile solutions for precise current measurement in various electronic applications.

2 Terminal



4 Terminal



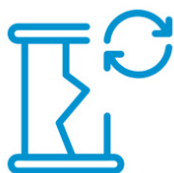
Applications

Current sensing resistors cover a broad range of industries and applications. The best applications for CSRs are battery management, overcurrent protection, and display backlight control. The most crucial industries for CSRs are consumer electronics, automotive electric systems, industrial electronics, server circuits, IOT devices, networking RF components, and microprocessors. Current sensing components have become an essential part of most basic PCB design, CSRs do this without need for applied external power.

CSRs provide means to monitor and manage the current in a system. Cell state -of-charge, thermal concerns, and any voltage fluctuation can be sensed through either a kelvin sensing two or four terminal CSR. This current feedback can be sent to the controller to prevent further damage from occurring to other parts of the system or device, provide data for optimization, and identify faults in a design.



Battery
Management



Overcurrent
Protection



Display Backlight
Control

2 Terminal Capabilities

Case Sizes	Resistances	Tolerances	Power Rating	TCR (ppm°C)	Operating Temp.
0201—1206	1mΩ—50mΩ	0.5%, 1%	1/4W—1W	50—200	-55°C—155°C
1206, 2512	0.5mΩ—56mΩ	0.5%, 1%	1W—3W	50—150	-55°C—170°C
0603—4527*	1mΩ—700mΩ	0.5%, 1%, 3%	1/2W—5W	50—100	-55°C—155°C
0805, 1206, 1225	10mΩ—100mΩ	1%, 5%	1/2W, 3/4W, 3W,	100—300	-55°C—155°C

*Long Side Electrode Patterns Available

4 Terminal Capabilities

Case Sizes	Resistances	Tolerances	Power Rating	TCR (ppm°C)	Operating Temp.
0306	1mΩ—50mΩ	1%	1/3W	50—150	-55°C—155°C
0612	0.5mΩ—25mΩ	0.5%, 1%	1W	50—200	-55°C—155°C
0306, 0508, 0612	0.5mΩ—5Ω	0.5%, 1%	1/2, 1W	75, 100	-55°C—155°C
1206, 2512	0.5mΩ, 1mΩ—100mΩ	0.3%, 0.5%, 1%	1/3W—1	30—100	-55°C—155°C

Since its inception in 1979 and joining the Juneway Group in 2013, TFT has been leading the way as a seasoned manufacturer of high-quality electronic components. Through a steadfast dedication to quality and ingenuity, TFT has built a trusted reputation of expertise focused on serving the needs of its longstanding clients and has broadened its scope and reach.

A comprehensive product portfolio allows TFT to supply diverse industries, showcasing an ability to provide custom project solutions. TFT's cutting-edge engineering innovations ensure components meet the highest performance and reliability standards. With competitive lead times and flexible pricing structures, TFT maintains a customer-centric approach focused on responding to dynamic market trends. As a leader in component manufacturing, TFT's legacy of quality and innovation continues to shape the future.