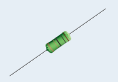
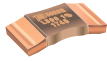
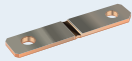


Bourns® Power Resistors

Model	Photo	Type	Features / Applications	Power Ratings (W)	Size or Package	Tolerance (%)	Resistance Range (Ohms)	Temperature Coefficient (PPM/°C)
PWR163		SMD Thick Film High Power	Current Sense, Capacitance Discharge High Pulse Power, AEC-Q200 Compliant	25	DPAK	1, 5	0.02 to 130 k	100
PWR263		SMD Thick Film High Power	Current Sense, Capacitance Discharge High Pulse Power, AEC-Q200 Compliant	20, 35	D ² PAK	1, 5	0.02 to 130 k	100
PWR220T		Through-Hole Thick Film High Power	Current Sense, Capacitance Discharge High Pulse Power, AEC-Q200 Compliant	20, 35	TO-220	1, 5	0.02 to 130 k	100
PWR221T		Through-Hole Thick Film High Power	Current Sense, Capacitance Discharge High Pulse Power, AEC-Q200 Compliant	30	TO-220	1, 5	0.02 to 130 k	100
PWR247T		Through-Hole Thick Film High Power	Current Sense, Capacitance Discharge High Pulse Power, AEC-Q200 Compliant	100	TO247	1, 5	0.05 to 1 M	100/200/600
PWR1913 PWR2010 PWR2615 PWR3014 PWR4318 PWR4525 PWR5322 PWR6327		SMD Wirewound	Surge Protection High Pulse Power	0.5, 1, 2, 3	1913 to 6327	1, 5	0.01 to 25 k	20/50/150
FW		Axial Leaded Wirewound	Fusible, UL 1412 Listed Coating Material UL 94V-0	1, 2, 3, 5, 7	12 x 5 to 26 x 9.5 (mm)	5	4.7 to 100	200
W		Axial Leaded Wirewound	Low Resistance Value and Non-inductive Version Available Coating Material UL 94V-0	1 to 10	9.5 x 4.5 to 52.5 x 8.5 (mm)	5	0.01 to 15 k	300
WS		Axial Leaded Wirewound	Surge Withstand IEC 61000-4-5 1.2/50 µs, Coating Material UL 94V-0	1 to 8	9.5 x 4.5 to 29.5 x 8.5 (mm)	5	0.01 to 15 k	200
PWR4412		Through-Hole Open Air Shunt	Current Sense High Current, High Temperature	1, 3, 5	11.43 x 7.62 to 20.32 x 26 (mm)	1, 5	0.005 to 0.1	20

Bourns® Current Sense Resistors

Model	Photo	Type	Features / Applications	Power Ratings (W)	Size or Package	Tolerance (%)	Resistance Range (Ohms)	Temperature Coefficient (PPM/°C)
CRA		Metal Strip	High Power, Low Ohmic Low TCR, Low EMF, Current Sense, Input Amplifiers, AEC-Q200 Compliant	3	2512	1, 5	0.01 to 0.1	50
CRE		Metal Strip	High Power, Low Ohmic Low TCR, Low EMF, Current Sense, Input Amplifiers, AEC-Q200 Compliant	2, 3	2512	1	0.001 to 0.009	50
CRF		Metal Strip	High Power, Low Ohmic Low TCR, Low EMF, Current Sense, Input Amplifiers, AEC-Q200 Compliant	0.5 to 2	0805 to 2512	1, 5	0.001 to 0.05	50
CST		4-Terminal Metal Strip	High Power, Low Ohmic, Current Sense, Input Amplifiers, AEC-Q200 Compliant	1	0612	1	0.0005 to 0.002	100/200
CRL		Thick Film	Low Ohmic, Current Sense	0.1 to 1	0603 to 2512	1, 5	0.02 to 9.1	200/400/600
CRM (A)		Thick Film	High Power, High Pulse Rating Current/Voltage Sense, Power Supply, Snubber, A- Automotive, AEC-Q200 Compliant, Sulfur Resistant	0.125 to 2	0603 to 2512	1, 5	0.047 to 1M	100 to 250
CSS2H-2512		Metal Element	High Power, Low Ohmic, Low TCR, Low EMF, Current Sense, Battery Management, Power Supply, AEC-Q200 Compliant	2 to 6	2512	1, 5	0.0003 to 0.005	≤ 50
CSS2H-3920		Metal Element	High Power, Low Ohmic, Low TCR, Low EMF, Current Sense, Battery Management, Power Supply, AEC-Q200 Compliant	3 to 12	3920	1, 5	0.0002 to 0.005	≤ 50
CSS2H-5930		Metal Element	High Power, Low Ohmic, Low TCR, Low EMF, Current Sense, Battery Management, Power Supply, AEC-Q200 Compliant	4 to 15	5930	1, 5	0.0002 to 0.003	≤ 50
CSS4J-4026		4-Terminal Metal Element	High Power, Low Ohmic, Low TCR, Low EMF, Current Sense, Battery Management, Power Supply, AEC-Q200 Compliant	3 to 5	4026	1, 5	0.0002 to 0.005	≤ 50
CSM2F		Metal Element	High Power, Low Ohmic, Low TCR, Low EMF, Current Sense, Battery Management, Power Supply, AEC-Q200 Compliant	36 & 50	6918, 7036, 8515	5	50 μΩ & 100	50
PWR4412		Through-Hole Open Air Shunt	Current Sense, High Current, High Temperature	1, 3, 5	11.43 x 7.62 to 20.32 x 26 (mm)	1, 5	0.005 to 0.1	20