




Bourns® Resistor Networks

Model	Photo	Type	Features / Applications	Power per Resistor (W)	Number of Pins	Tolerance (%)	Resistance Range (Ohms)	TCR Resistor/Tracking (PPM /°C)
4100R		Thick Film	Through-Hole, DIP, Molded	0.125 to 0.250	8, 14, 16, 18, 20	0.5 to 5	10 to 10 M	100, 250 / 50
4400P		Thick Film	SMD, DIP, Molded, Wide Body	0.115 to 0.160	16, 20	0.5 to 5	10 to 2.2 M	100, 250 / 50
4800P		Thick Film	SMD, DIP, Molded, Medium Body	0.08 to 0.16	14, 16, 18, 20	0.5 to 5	10 to 2.2 M	100, 250 / 50, 100
4300 H/M/R		Thick Film	Through-Hole, SIP, Molded, Three Heights	0.20, 0.25, 0.30, 0.40	4, 6, 8, 9, 10, 11	0.5 to 5	10 to 10 M	100, 250 / 50
4600 H/M/X		Thick Film	Through-Hole, SIP, Conformal, Three Heights	0.20, 0.25, 0.30, 0.40	4 to 14	1, 2, 5	10 to 10 M	100, 250 / 50
4100T		Thin Film	Through-Hole, DIP, Molded	0.20, 0.12	8, 14, 16, 18, 20	0.01 to 1	25, 50, 100 K	25, 50, 100 / 5
4300 T/S/K		Thin Film	Through-Hole, SIP, Molded, Three Heights	0.10 to 0.25	6, 8, 9, 10, 11	0.01 to 1	49.9 to 200 K	25, 50, 100 / 5
4400T		Thin Film	SMD, DIP, Molded, Wide Body	0.10, 0.15	16, 20	0.1 to 1	10 to 150 K	25, 50, 100 / 5
4800T		Thin Film	SMD, DIP, Molded, Medium Body	0.08, 0.10	14, 16, 18, 20	0.1 to 1	10 to 100 K	25, 50, 100 / 5

Available Configurations: Isolated, Bussed, Dual Terminator, Series Circuit, R/2R

Bourns® SMT Chip Resistors

Model	Photo	Type	Features / Applications	Power Ratings (W)	Size or Package	Tolerance (%)	Resistance Range (Ohms)	Temperature Coefficient (PPM /°C)
CR (A, AS, PF)		Thick Film	General Purpose AS - Sulfur-Resistant A - AEC-Q200 Compliant, PF - Ultra-Low Lead Content, Without RoHS Exemptions	0.03 to 1	01005 to 2512	1, 5	1 to 20 M	100/200/400
CRL		Thick Film	Low Ohmic, Current Sense	1/10 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 AEC-Q200 Compliant, Sulfur-Resistant	1/8 to 2	0603 to 2512	1, 5	0.047 to 1 M	100 to 250
CRS (A)		Thick Film	High Power Surge Withstand IEC 61000-4-5 1.2/50 µs AEC-Q200 Compliant, Sulfur-Resistant	1/8 to 2	0603 to 2512	1, 5	1 to 1 M	100 to 200
CHP (A)		Thick Film	Ultra High Power, Surge Withstand, Consumer and Industrial Electronics, AEC-Q200 Compliant, Sulfur-Resistant	0.33 to 3	0603 to 2512	1, 5	0.1 to 1M	100 to 200
CMP (A)		Thick Film	High Power, Surge Withstand AEC-Q200 Compliant, Sulfur-Resistant	0.25 to 1.5	0603 to 2512	1, 5	1 to 1M	100 to 200
CRT (AS, ST)		Thin Film	Precision, Low TCR, Voltage Sense, Sulfur-Resistant Available	1/16 to 1/4	0402 to 1206	0.01 to 1	1 to 2.49 M	2 to 50
CFN		Metal Foil	Current Sense	0.5, 1	0805, 1206	1, 5	0.005 to 0.02	100
CFG		Metal Foil	Wide Terminal, Current Sense	1	0612	1	0.005 to 0.01	100
CRK		Metal Strip	Wide Terminal, Current Sense	1	0612, 0815	1, 5	0.001 to 0.01	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
CRF		Metal Strip	High Power, Low Ohmic Low TCR, Low EMF, Current Sense, Input Amplifiers AEC-Q200 Compliant	1/2 to 2	0805 to 2512	1, 5	0.001 to 0.05	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
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
CAT/CAY (AS)		Thick Film Array	Convex, Concave, 2, 4, 8 Resistors, Isolated, Bussed, Sulfur-Resistant Available	1/32 to 1/16	0202, 0404, 0804, 0606, 1206, 2506	1, 5	10 to 1 M	200