



Power Resistors

10 Series Current Sense Axial-Lead Wire Element Resistor

- Ideal for current sensing applications
- 2W, 2 terminal, 1% tolerance
- Terminals: solder plated copper or copper clad steel
- Encapsulation: silicon molding compound
- Derating: linearly from 100% @ 25°C to 0% @ 275°C
- Power rating: based on 25°C free air rating
- Overload: 5 x rated wattage for 5 seconds
- Dielectric withstanding voltage: 1000Vrms
- Insulation resistance: 1000MΩ
- Thermal EMF: ±2μV/°C
- Temp. range: -55°C to 275°C



Part No.	Product No.	Ohms	1	10	100
619516	12FR025	0.025Ω	\$1.69	\$1.61	\$1.54

20 Series Vitreous Enamel Conformal Axial-Lead Wire Wound Resistor

- Ideal for computer, and industrial applications
- Vitreous enamel coatings withstands high humidity and temperature cycling
- Coating: flame resistant lead free enamel coating
- Power: 3W
- Terminal: solder coated
- Derating: linearly from 100% @ 25°C to 0% @ 350°C
- Power rating: based on 25°C free air rating
- Overload 5 x rated wattage for 5 seconds
- Temperature coefficient: ±30ppm/°C



Part No.	Product No.	Ohms	1	10	100
619541	23J56R	56Ω	\$99	\$87	\$76

40 Series OHMICONE®, Silicone-Ceramic Conformal Axial-Lead Wire Wound Resistors

- All welded construction
- Characterized by their low temperature coefficient & resistance shock
- Applications: commercial, industrial, & communication
- Stability under high-temperature conditions
- Coating: conformal silicone ceramic
- Core: ceramic
- Terminals: solder coated, copper clad
- Derating: linearly from 100% @ 25°C to 0% @ 275°C
- Power rating: based on 25°C free air rating
- Overload: 5 x rated for under 5W; 10 x rated for 5W and over (for 5 seconds)
- Temperature coefficient: under 1Ω = ±90ppm/°C; over 10Ω = ±20ppm/°C



Part No.	Product No.	Ohms	1	10	100
619559	40J50R	50Ω/10W	\$1.29	\$1.10	\$1.09
619567	43JR10	0.1Ω/3W	1.59	1.49	1.39

200 Series Brown Devil® Vitreous Enamel Power Resistors

- Small, exceptionally durable
- High-power ratings
- Coating: lead free vitreous enamel
- Terminal: tinned axial lead
- Derating: linearly from 100% @ 25°C to 0% @ 350°C
- Power rating: based on 25°C free air rating
- Overload: 10 x rated wattage for 5 seconds
- Temperature coefficient: under 5Ω = ±400ppm/°C; over 5Ω = ±260ppm/°C



Part No.	Product No.	Ohms	1	10	100
619604	B8J1K0	1kΩ	\$2.49	\$2.29	\$1.96
619612	B8J1R5	1.5Ω	3.59	3.21	2.67

250 Series "Thin" Stockholm® Vitreous Enamel Power Resistors

- Small size-to-power ratio
- Stackable
- Integral mounting bracket conducts heat to mounting surface
- Coating: lead free vitreous enamel
- Core: ceramic
- Terminals: tinned lug with hole
- Derating: linearly from 100% @ 25°C to 0% @ 350°C
- Power rating: based on mounting a single resistor on metal. Reduce rating by 15% when mounting on non-metallic surface
- Overload: 5 x rated wattage for 5 seconds
- Temperature coefficient: ±260ppm/°C
- Dielectric withstanding voltage: 1000VAC



Part No.	Product No.	Ohms	1	10	100
619639	F40J25R	25Ω/40W	\$9.55	\$8.99	\$8.77
619647	F55J10K	10kΩ/55W	13.95	11.79	9.07

270 Series Vitreous Enamel Power Resistors

- Terminals suitable for soldering or bolt connection
- High-wattage applications
- Core: tubular ceramic
- Coating: lead free vitreous enamel
- Terminals: solder coated radial lug
- Derating: linearly from 100% @ 25°C to 0% @ 350°C
- Power rating: based on 25°C free air rating
- Overload: 10 x rated wattage for 5 seconds
- Temperature coefficient: ±400ppm/°C
- Dielectric withstanding voltage: 1000VAC



Part No.	Product No.	Ohms	1	10	100
619655	L25J2R0	2Ω	\$5.49	\$3.88	\$3.15

OX Series Ceramic Composition Resistors

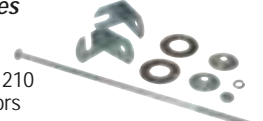
- High-peak power
- Replaces 1 & 2 watt carbon composition resistors
- Meets high energy density demands
- Terminals: solder coated axial leads
- Coating: UL94V-0 approved silicone
- Derating: linearly from 100% @ 70°C to 0% @ 200°C
- Power rating: based on 70°C free air rating
- Temperature coefficient: -1300 to 300ppm/°C
- Working voltage: 300V
- Dielectric strength: 500V
- Max. overload voltage: 600V



Part No.	Product No.	Ohms	1	10	100
619663	OX150K	15Ω	\$0.95	\$0.85	\$0.75
619680	OX390K	39Ω	.95	.85	.75

Thru-Bolts & Mounting Brackets for 210 & 270 Series

- Steel plated brackets allow for secure mounting of 210 and 270 type resistors
- Thru-bolts, centering washers & insulating washers included
- For 175W single resistor



Part No.	Product No.	Description	1	10	100
619583	6110-8½	Slotted	\$10.09	\$8.28	\$6.90

Mounting Brackets

- Fits inside cores of 200, 210, & 270 type resistors
- Steel plated
- For 8 & 12 Watt



Part No.	Product No.	Description	1	10	100
619575	5-100	Slotted	\$29.99	\$28.95	\$27.49

Get It Straight!

Whether you're prototyping, hand-manufacturing a small run or repairing a machine-manufactured PC board, appearance and reliability are synonymous. Bent leads, odd-shaped-corners and corkscrew leads all tell a story when someone inspects your work.



A simple and very effective hand tool can greatly enhance the professional look of your PC board work. So consider a 'Lead bender' like the one on page 79. It's very easy to select the specific lead separation you need. Just drop the device in the corresponding slot, bend your leads down and insert the device in your board.

Practical Practices
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