

LR-11

High Wattage Wire Wound Resistors

Features

Varnish Coated

Resistance Wire - Copper Nickel alloy for low and medium values
- Nickel Chromium alloy for high values

Coating Glossy varnish, Class F, grey colour

Leads - Radial, Copper Wires, Solder Plated.

Construction - Tubular With central hole stud insert moulded plastic end caps

Markings - El-Ci-Ar logo, Resistance value, tolerance, Wattage

Resistor Tolerance - 10% (K), 5% (J)

Breakdown Voltage $\geq 500V$ (b/w leads & body)

Temperature Coefficient - Better than $+ 150 \text{ ppm} / ^\circ\text{C}$.

Temperature Severity from $- 40^\circ\text{C}$ to $+ 200^\circ\text{C}$

Endurance - Change in value $< 3\%$ after 1000 hours at 70°C , full load

Humidity - Change in value $< 1.5\%$ after 1000 hours at 40°C , 90-95% RH

Application

For a variety of Industrial Applications



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Watts W	Resistance Range	d1 +/- 1.5	d2 +/- 2.5	d3 +/- 0.1	d4 +/- 1.5	l1 +/- 2.5	l2 +/- 2.0	l3 +/- 1.0	l4 +/- 2.0	Avg Ωt gms
5	0.1 Ω - 5 KΩ	12	10	0.8	4	25	20	-	-	3.0
10	0.2 Ω - 10 KΩ	9	6	0.8	5	45	15	-	-	8.0
20	2 Ω - 15 KΩ	11	7	0.8	9	60	20	7	18	24.0
25	5 Ω - 20 KΩ	18	16	3.2	9	75	65	7	18	28
30	10 Ω - 25 KΩ	20	18	3.2	11	75	65	7	18	40
40	10 Ω - 25 KΩ	28	25	3.2	15	77	65	7	18	70
50	10 Ω - 40 KΩ	28	25	3.2	15	95	85	7	18	85
75	10 Ω - 50 KΩ	32	30	3.2	20	115	100	7	18	120
100	20 Ω - 70 KΩ	32	30	3.2	20	150	130	7	18	160
120	20 Ω - 70 KΩ	32	30	3.2	20	165	145	7	18	180
150	20 Ω - 100 KΩ	32	30	3.2	20	200	180	7	18	240
200	50 Ω - 100 KΩ	32	30	3.2	20	250	230	7	18	275
200	50 Ω - 100 KΩ	52	50	5.0	38	175	145	12	25	400
250	50 Ω - 100 KΩ	52	50	5.0	38	200	170	12	25	470
300	75 Ω - 100 KΩ	52	50	5.0	38	250	220	12	25	620

