

# Little Rebel®

Carbon Film Resistors, 5% Tolerance  
Available in E24 Ohmic values



Little Rebels are one of Ohmite's more economical lines of low wattage resistors. Constructed of a pure carbon film deposited on a high-grade ceramic body, these units offer better stability performance than comparable carbon composition resistors.

Little Rebels are designed for electrical and electronic applications that demand small sizes and small power ratings plus high performance and reliability.

## FEATURES

- High stability, low noise level, long life.
- Ideal for applications requiring a steady low power drop.
- Available in Resistor Cabinet Assortments.
- 24 Values per decade.

## SERIES SPECIFICATIONS

Series	Wattage	Ohms	Max. Working Voltage
OJ	0.125	1.0- 1M	200
OK	0.250	1.0-10M	250
OL	0.500	1.0-10M	350
OM	1.00	1.0-10M	500
ON	2.00	1.0-10M	500

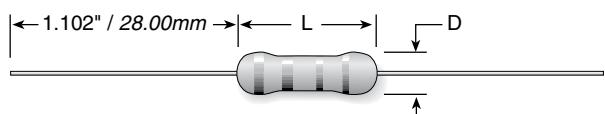
\*Available in Cabinet Assortments

## CHARACTERISTICS

Core	High-grade ceramic.
Terminals	Solder-coated copper lead.
Derating	Linearly from 100% @ +70°C to 0% @ 155°C.
Tolerance	±5%.
Temperature Coefficient	1Ω to 10: ±350 ppm/°C 11Ω to 91K: -450 ppm/°C 100K to 1M: -700 ppm/°C 1.1M to 10M: -800 to 1500 ppm/°C
Maximum Overload Voltage	OJ: 400 Volts OK: 500 Volts OL: 700 Volts OM: 1000 Volts ON: 1000 Volts
Quantity per reel	OJ: 5000 OK: 5000 OL: 4000 OM: 2500 ON: 1000

## DIMENSIONS

(in./mm)



Series	Wattage	Max. Length	Max. Diam.	Lead ga.
OJ	0.125	0.138 / 3.5	0.073 / 1.85	24
OK	0.250	0.268 / 6.8	0.099 / 2.5	22
OL	0.500	0.355 / 9.0	0.118 / 3.0	22
OM	1.00	0.473 / 12.0	0.197 / 5.0	20
ON	2.00	0.630 / 16.0	0.217 / 5.5	20

(continued)

# Little Rebel®

## **Carbon Film Resistors, 5% Tolerance Available in E24 Ohmic values**

## **ORDERING INFORMATION**

## **Standard part numbers for standard resistance values**

Ohmic value	Wattage					Ohmic value	Wattage					Ohmic value	Wattage														
	Part No.	Prefix ▶	0.125	0.25	0.50	1.0	2.0	Part No.	Prefix ▶	0.125	0.25	0.50	1.0	2.0	Part No.	Prefix ▶	0.125	0.25	0.50	1.0	2.0						
1 — 10G5	✓	✓	✓	✓	✓	✓	62	— 6205	✓	✓	✓	✓	✓	3,900	— 3925	✓	✓	✓	✓	✓	240,000	— 2445	✓	✓	✓	✓	✓
1.1 — 11G5	✓	✓	✓	✓	✓	✓	68	— 6805	✓	✓	✓	✓	✓	4,300	— 4325	✓	✓	✓	✓	✓	270,000	— 2745	✓	✓	✓	✓	✓
1.2 — 12G5	✓	✓	✓	✓	✓	✓	75	— 7505	✓	✓	✓	✓	✓	4,700	— 4725	✓	✓	✓	✓	✓	300,000	— 3045	✓	✓	✓	✓	✓
1.3 — 13G5	✓	✓	✓	✓	✓	✓	82	— 8205	✓	✓	✓	✓	✓	5,100	— 5125	✓	✓	✓	✓	✓	330,000	— 3345	✓	✓	✓	✓	✓
1.5 — 15G5	✓	✓	✓	✓	✓	✓	91	— 9105	✓	✓	✓	✓	✓	5,600	— 5625	✓	✓	✓	✓	✓	360,000	— 3645	✓	✓	✓	✓	✓
1.6 — 16G5	✓	✓	✓	✓	✓	✓	100	— 1015	✓	✓	✓	✓	✓	6,200	— 6225	✓	✓	✓	✓	✓	390,000	— 3945	✓	✓	✓	✓	✓
1.8 — 18G5	✓	✓	✓	✓	✓	✓	110	— 1115	✓	✓	✓	✓	✓	6,800	— 6825	✓	✓	✓	✓	✓	430,000	— 4345	✓	✓	✓	✓	✓
2.0 — 20G5	✓	✓	✓	✓	✓	✓	120	— 1215	✓	✓	✓	✓	✓	7,500	— 7525	✓	✓	✓	✓	✓	470,000	— 4745	✓	✓	✓	✓	✓
2.2 — 22G5	✓	✓	✓	✓	✓	✓	130	— 1315	✓	✓	✓	✓	✓	8,200	— 8225	✓	✓	✓	✓	✓	510,000	— 5145	✓	✓	✓	✓	✓
2.4 — 24G5	✓	✓	✓	✓	✓	✓	150	— 1515	✓	✓	✓	✓	✓	9,100	— 9125	✓	✓	✓	✓	✓	560,000	— 5645	✓	✓	✓	✓	✓
2.7 — 27G5	✓	✓	✓	✓	✓	✓	160	— 1615	✓	✓	✓	✓	✓	10,000	— 1035	✓	✓	✓	✓	✓	620,000	— 6245	✓	✓	✓	✓	✓
3.0 — 30G5	✓	✓	✓	✓	✓	✓	180	— 1815	✓	✓	✓	✓	✓	11,000	— 1135	✓	✓	✓	✓	✓	680,000	— 6845	✓	✓	✓	✓	✓
3.3 — 33G5	✓	✓	✓	✓	✓	✓	200	— 2015	✓	✓	✓	✓	✓	12,000	— 1235	✓	✓	✓	✓	✓	750,000	— 7545	✓	✓	✓	✓	✓
3.6 — 36G5	✓	✓	✓	✓	✓	✓	220	— 2215	✓	✓	✓	✓	✓	13,000	— 1335	✓	✓	✓	✓	✓	820,000	— 8245	✓	✓	✓	✓	✓
3.9 — 39G5	✓	✓	✓	✓	✓	✓	240	— 2415	✓	✓	✓	✓	✓	15,000	— 1535	✓	✓	✓	✓	✓	910,000	— 9145	✓	✓	✓	✓	✓
4.3 — 43G5	✓	✓	✓	✓	✓	✓	270	— 2715	✓	✓	✓	✓	✓	16,000	— 1635	✓	✓	✓	✓	✓	1 MEG	— 1055	✓	✓	✓	✓	✓
4.7 — 47G5	✓	✓	✓	✓	✓	✓	330	— 3315	✓	✓	✓	✓	✓	18,000	— 1835	✓	✓	✓	✓	✓	1.1 MEG	— 1155	✓	✓	✓	✓	✓
5.1 — 51G5	✓	✓	✓	✓	✓	✓	350	— 3515	✓	✓	✓	✓	✓	20,000	— 2035	✓	✓	✓	✓	✓	1.2 MEG	— 1255	✓	✓	✓	✓	✓
5.6 — 56G5	✓	✓	✓	✓	✓	✓	360	— 3615	✓	✓	✓	✓	✓	22,000	— 2235	✓	✓	✓	✓	✓	1.3 MEG	— 1355	✓	✓	✓	✓	✓
6.2 — 62G5	✓	✓	✓	✓	✓	✓	390	— 3915	✓	✓	✓	✓	✓	24,000	— 2435	✓	✓	✓	✓	✓	1.5 MEG	— 1555	✓	✓	✓	✓	✓
6.8 — 68G5	✓	✓	✓	✓	✓	✓	430	— 4315	✓	✓	✓	✓	✓	27,000	— 2735	✓	✓	✓	✓	✓	1.6 MEG	— 1655	✓	✓	✓	✓	✓
7.5 — 75G5	✓	✓	✓	✓	✓	✓	470	— 4715	✓	✓	✓	✓	✓	30,000	— 3035	✓	✓	✓	✓	✓	1.8 MEG	— 1855	✓	✓	✓	✓	✓
8.2 — 82G5	✓	✓	✓	✓	✓	✓	510	— 5115	✓	✓	✓	✓	✓	33,000	— 3335	✓	✓	✓	✓	✓	2.0 MEG	— 2055	✓	✓	✓	✓	✓
9.1 — 91G5	✓	✓	✓	✓	✓	✓	560	— 5615	✓	✓	✓	✓	✓	36,000	— 3635	✓	✓	✓	✓	✓	2.2 MEG	— 2255	✓	✓	✓	✓	✓
10 — 100G5	✓	✓	✓	✓	✓	✓	620	— 6215	✓	✓	✓	✓	✓	39,000	— 3935	✓	✓	✓	✓	✓	2.4 MEG	— 2455	✓	✓	✓	✓	✓
11 — 110G5	✓	✓	✓	✓	✓	✓	680	— 6815	✓	✓	✓	✓	✓	43,000	— 4335	✓	✓	✓	✓	✓	2.7 MEG	— 2755	✓	✓	✓	✓	✓
12 — 120G5	✓	✓	✓	✓	✓	✓	750	— 7515	✓	✓	✓	✓	✓	47,000	— 4735	✓	✓	✓	✓	✓	3.0 MEG	— 3055	✓	✓	✓	✓	✓
13 — 130G5	✓	✓	✓	✓	✓	✓	820	— 8215	✓	✓	✓	✓	✓	51,000	— 5135	✓	✓	✓	✓	✓	3.3 MEG	— 3355	✓	✓	✓	✓	✓
15 — 150G5	✓	✓	✓	✓	✓	✓	910	— 9115	✓	✓	✓	✓	✓	56,000	— 5635	✓	✓	✓	✓	✓	3.6 MEG	— 3655	✓	✓	✓	✓	✓
16 — 160G5	✓	✓	✓	✓	✓	✓	1,000	— 1025	✓	✓	✓	✓	✓	62,000	— 6235	✓	✓	✓	✓	✓	3.9 MEG	— 3955	✓	✓	✓	✓	✓
18 — 180G5	✓	✓	✓	✓	✓	✓	1,100	— 1125	✓	✓	✓	✓	✓	68,000	— 6835	✓	✓	✓	✓	✓	4.3 MEG	— 4355	✓	✓	✓	✓	✓
20 — 200G5	✓	✓	✓	✓	✓	✓	1,200	— 1225	✓	✓	✓	✓	✓	75,000	— 7535	✓	✓	✓	✓	✓	4.7 MEG	— 4755	✓	✓	✓	✓	✓
22 — 220G5	✓	✓	✓	✓	✓	✓	1,300	— 1325	✓	✓	✓	✓	✓	82,000	— 8235	✓	✓	✓	✓	✓	5.1 MEG	— 5155	✓	✓	✓	✓	✓
24 — 240G5	✓	✓	✓	✓	✓	✓	1,500	— 1525	✓	✓	✓	✓	✓	91,000	— 9135	✓	✓	✓	✓	✓	5.6 MEG	— 5655	✓	✓	✓	✓	✓
27 — 270G5	✓	✓	✓	✓	✓	✓	1,600	— 1625	✓	✓	✓	✓	✓	100,000	— 1045	✓	✓	✓	✓	✓	6.2 MEG	— 6255	✓	✓	✓	✓	✓
30 — 300G5	✓	✓	✓	✓	✓	✓	1,800	— 1825	✓	✓	✓	✓	✓	110,000	— 1145	✓	✓	✓	✓	✓	6.8 MEG	— 6855	✓	✓	✓	✓	✓
33 — 330G5	✓	✓	✓	✓	✓	✓	2,000	— 2025	✓	✓	✓	✓	✓	120,000	— 1245	✓	✓	✓	✓	✓	7.5 MEG	— 7555	✓	✓	✓	✓	✓
36 — 360G5	✓	✓	✓	✓	✓	✓	2,200	— 2225	✓	✓	✓	✓	✓	130,000	— 1345	✓	✓	✓	✓	✓	8.2 MEG	— 8255	✓	✓	✓	✓	✓
39 — 390G5	✓	✓	✓	✓	✓	✓	2,400	— 2425	✓	✓	✓	✓	✓	150,000	— 1545	✓	✓	✓	✓	✓	9.1 MEG	— 9155	✓	✓	✓	✓	✓
43 — 430G5	✓	✓	✓	✓	✓	✓	2,700	— 2725	✓	✓	✓	✓	✓	160,000	— 1645	✓	✓	✓	✓	✓	10 MEG	— 1065	✓	✓	✓	✓	✓
47 — 470G5	✓	✓	✓	✓	✓	✓	3,000	— 3025	✓	✓	✓	✓	✓	180,000	— 1845	✓	✓	✓	✓	✓							
51 — 510G5	✓	✓	✓	✓	✓	✓	3,300	— 3325	✓	✓	✓	✓	✓	200,000	— 2045	✓	✓	✓	✓	✓							
56 — 560G5	✓	✓	✓	✓	✓	✓	3,600	— 3625	✓	✓	✓	✓	✓	220,000	— 2245	✓	✓	✓	✓	✓							

**Tolerance**  
5 = 5% (Std.)    **RoHS**  
1 = 10%            **Compliant**

O J 1 0 3 5 E - R 5 2

<b>Series</b>	<b>Ohms</b>	<b>Packaging Code</b>
Selected from Specification Chart	3 Digit IEC Code ("G" as 3rd digit = 0.1)	R52 = Tape & Reel 52mm <b>(except ON: R58 = Tape &amp; Reel 58mm)</b>
	11G=1.1Ω	A52(26) = Ammo Pac 52mm (26mm)
	101=100Ω	
	102=1000Ω	
	103=10,000Ω	
	104=100,000Ω	
	105=1 MΩ	
	106=10 MΩ	