



**THE DATASHEET OF  
OJ1005E-R52**



# 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

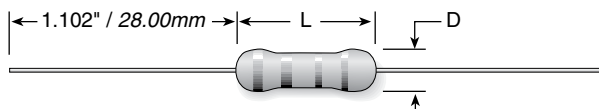
\*Available in Cabinet Assortments

## CHARACTERISTICS

<b>Core</b>	High-grade ceramic.
<b>Terminals</b>	Solder-coated copper lead.
<b>Derating</b>	Linearly from 100% @ +70°C to 0% @ 155°C.
<b>Tolerance</b>	±5%.
<b>Temperature Coefficient</b>	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
<b>Maximum Overload Voltage</b>	OJ: 400 Volts OK: 500 Volts OL: 700 Volts OM: 1000 Volts ON: 1000 Volts
<b>Quantity per reel</b>	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)

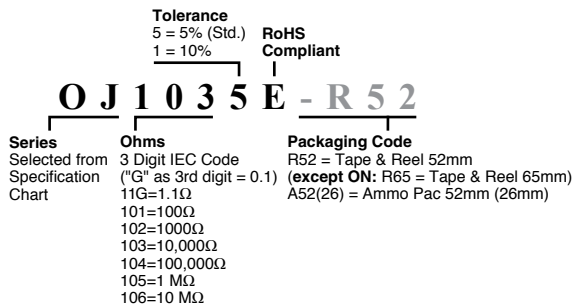
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## ORDERING INFORMATION

### Standard part numbers for standard resistance values

Ohmic value	Part No. Prefix Suffix	Wattage					Ohmic value	Part No. Prefix Suffix	Wattage					Ohmic value	Part No. Prefix Suffix	Wattage											
		0.125	0.25	0.50	1.0	2.0			0.125	0.25	0.50	1.0	2.0			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	—1005	✓	✓	✓	✓	✓	620	—6215	✓	✓	✓	✓	✓	39,000	—3935	✓	✓	✓	✓	✓	2.4 MEG	—2455	✓	✓	✓	✓	✓
11	—1105	✓	✓	✓	✓	✓	680	—6815	✓	✓	✓	✓	✓	43,000	—4335	✓	✓	✓	✓	✓	2.7 MEG	—2755	✓	✓	✓	✓	✓
12	—1205	✓	✓	✓	✓	✓	750	—7515	✓	✓	✓	✓	✓	47,000	—4735	✓	✓	✓	✓	✓	3.0 MEG	—3055	✓	✓	✓	✓	✓
13	—1305	✓	✓	✓	✓	✓	820	—8215	✓	✓	✓	✓	✓	51,000	—5135	✓	✓	✓	✓	✓	3.3 MEG	—3355	✓	✓	✓	✓	✓
15	—1505	✓	✓	✓	✓	✓	910	—9115	✓	✓	✓	✓	✓	56,000	—5635	✓	✓	✓	✓	✓	3.6 MEG	—3655	✓	✓	✓	✓	✓
16	—1605	✓	✓	✓	✓	✓	1,000	—1025	✓	✓	✓	✓	✓	62,000	—6235	✓	✓	✓	✓	✓	3.9 MEG	—3955	✓	✓	✓	✓	✓
18	—1805	✓	✓	✓	✓	✓	1,100	—1125	✓	✓	✓	✓	✓	68,000	—6835	✓	✓	✓	✓	✓	4.3 MEG	—4355	✓	✓	✓	✓	✓
20	—2005	✓	✓	✓	✓	✓	1,200	—1225	✓	✓	✓	✓	✓	75,000	—7535	✓	✓	✓	✓	✓	4.7 MEG	—4755	✓	✓	✓	✓	✓
22	—2205	✓	✓	✓	✓	✓	1,300	—1325	✓	✓	✓	✓	✓	82,000	—8235	✓	✓	✓	✓	✓	5.1 MEG	—5155	✓	✓	✓	✓	✓
24	—2405	✓	✓	✓	✓	✓	1,500	—1525	✓	✓	✓	✓	✓	91,000	—9135	✓	✓	✓	✓	✓	5.6 MEG	—5655	✓	✓	✓	✓	✓
27	—2705	✓	✓	✓	✓	✓	1,600	—1625	✓	✓	✓	✓	✓	100,000	—1045	✓	✓	✓	✓	✓	6.2 MEG	—6255	✓	✓	✓	✓	✓
30	—3005	✓	✓	✓	✓	✓	1,800	—1825	✓	✓	✓	✓	✓	110,000	—1145	✓	✓	✓	✓	✓	6.8 MEG	—6855	✓	✓	✓	✓	✓
33	—3305	✓	✓	✓	✓	✓	2,000	—2025	✓	✓	✓	✓	✓	120,000	—1245	✓	✓	✓	✓	✓	7.5 MEG	—7555	✓	✓	✓	✓	✓
36	—3605	✓	✓	✓	✓	✓	2,200	—2225	✓	✓	✓	✓	✓	130,000	—1345	✓	✓	✓	✓	✓	8.2 MEG	—8255	✓	✓	✓	✓	✓
39	—3905	✓	✓	✓	✓	✓	2,400	—2425	✓	✓	✓	✓	✓	150,000	—1545	✓	✓	✓	✓	✓	9.1 MEG	—9155	✓	✓	✓	✓	✓
43	—4305	✓	✓	✓	✓	✓	2,700	—2725	✓	✓	✓	✓	✓	160,000	—1645	✓	✓	✓	✓	✓	10 MEG	—1065	✓	✓	✓	✓	✓
47	—4705	✓	✓	✓	✓	✓	3,000	—3025	✓	✓	✓	✓	✓	180,000	—1845	✓	✓	✓	✓	✓							
51	—5105	✓	✓	✓	✓	✓	3,300	—3325	✓	✓	✓	✓	✓	200,000	—2045	✓	✓	✓	✓	✓							
56	—5605	✓	✓	✓	✓	✓	3,600	—3625	✓	✓	✓	✓	✓	220,000	—2245	✓	✓	✓	✓	✓							



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