

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.
- Quantity per reel:
 - OJ 5000
 - OK 5000
 - OL 4000
 - OM 2500
 - ON 1000

SPECIFICATIONS

MATERIAL

Core: High-grade ceramic.
Terminals: Solder-coated copper lead.
DERATING: Linearly from 100% @ +70°C to 0% @ 155°C.

ELECTRICAL

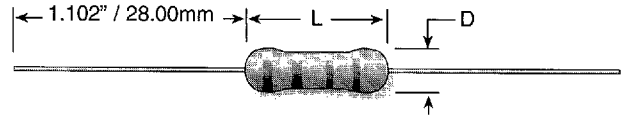
Tolerance: ±5%.
Temperature Coefficient:
 1Ω to 10 ±350 ppm/°C
 11Ω to 91K -450 ppm/°C
 100K to 1M -700 ppm/°C
 1.1M to 10M -800 to 1500 ppm/°C

Maximum Overload Voltage:

OJ 400 Volts
 OK 500 Volts
 OL 700 Volts
 OM 1000 Volts
 ON 1000 Volts

Little Rebel®

Carbon Film Resistors
5% Tolerance
Available in E24 Ohmic values



Series	Wattage	Ohms	Dimensions (in. / mm)	Max. Length	Max. Diam.	Max. Working Voltage	Lead ga.
OJ	0.125	1.0-1M	0.138 / 3.5	0.073 / 1.85	200	24	
OK	0.250	1.0-10M	0.268 / 6.8	0.099 / 2.5	250	22	
OL	0.500	1.0-10M	0.355 / 9.0	0.118 / 3.0	350	22	
OM	1.00	1.0-10M	0.473 / 12.0	0.197 / 5.0	500	20	
ON	2.00	1.0-10M	0.630 / 16.0	0.217 / 5.5	500	20	

*Available in Cabinet Assortments (See Page 34)

STOCK PART NUMBERS FOR STANDARD RESISTANCE VALUES

Ohmic value		Wattage					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	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
Suffix	Suffix	OJ	OK	OL	OM	ON	Suffix	Suffix	OJ	OK	OL	OM	ON	Suffix	Suffix	OJ	OK	OL	OM	ON	Suffix	Suffix	OJ	OK	OL	OM	ON	Suffix	Suffix	OJ	OK	OL	OM	ON
1	—10G5	✓	✓	✓	✓	✓	47	—4705	✓	✓	✓	✓	✓	2,200	—2225	✓	✓	✓	✓	✓	100,000	—1045	✓	✓	✓	✓	✓	4.7 MEG	—4755	✓	✓	✓	✓	✓
1.1	—11G5	✓	✓	✓	✓	✓	51	—5105	✓	✓	✓	✓	✓	2,400	—2425	✓	✓	✓	✓	✓	110,000	—1145	✓	✓	✓	✓	✓	5.1 MEG	—5155	✓	✓	✓	✓	✓
1.2	—12G5	✓	✓	✓	✓	✓	56	—5605	✓	✓	✓	✓	✓	2,700	—2725	✓	✓	✓	✓	✓	120,000	—1245	✓	✓	✓	✓	✓	5.6 MEG	—5655	✓	✓	✓	✓	✓
1.3	—13G5	✓	✓	✓	✓	✓	62	—6205	✓	✓	✓	✓	✓	3,000	—3025	✓	✓	✓	✓	✓	130,000	—1345	✓	✓	✓	✓	✓	6.2 MEG	—6255	✓	✓	✓	✓	✓
1.5	—15G5	✓	✓	✓	✓	✓	68	—6805	✓	✓	✓	✓	✓	3,300	—3325	✓	✓	✓	✓	✓	150,000	—1545	✓	✓	✓	✓	✓	6.8 MEG	—6855	✓	✓	✓	✓	✓
1.6	—16G5	✓	✓	✓	✓	✓	75	—7505	✓	✓	✓	✓	✓	3,600	—3625	✓	✓	✓	✓	✓	160,000	—1645	✓	✓	✓	✓	✓	7.5 MEG	—7555	✓	✓	✓	✓	✓
1.8	—18G5	✓	✓	✓	✓	✓	82	—8205	✓	✓	✓	✓	✓	3,900	—3925	✓	✓	✓	✓	✓	180,000	—1845	✓	✓	✓	✓	✓	8.2 MEG	—8255	✓	✓	✓	✓	✓
2.0	—20G5	✓	✓	✓	✓	✓	91	—9105	✓	✓	✓	✓	✓	4,300	—4325	✓	✓	✓	✓	✓	200,000	—2045	✓	✓	✓	✓	✓	9.1 MEG	—9155	✓	✓	✓	✓	✓
2.2	—22G5	✓	✓	✓	✓	✓	100	—1015	✓	✓	✓	✓	✓	4,700	—4725	✓	✓	✓	✓	✓	220,000	—2245	✓	✓	✓	✓	✓	10 MEG	—1065	✓	✓	✓	✓	✓
2.4	—24G5	✓	✓	✓	✓	✓	110	—1115	✓	✓	✓	✓	✓	5,100	—5125	✓	✓	✓	✓	✓	240,000	—2445	✓	✓	✓	✓	✓							
2.7	—27G5	✓	✓	✓	✓	✓	120	—1215	✓	✓	✓	✓	✓	5,600	—5625	✓	✓	✓	✓	✓	270,000	—2745	✓	✓	✓	✓	✓							
3.0	—30G5	✓	✓	✓	✓	✓	130	—1315	✓	✓	✓	✓	✓	6,200	—6225	✓	✓	✓	✓	✓	300,000	—3045	✓	✓	✓	✓	✓							
3.3	—33G5	✓	✓	✓	✓	✓	150	—1515	✓	✓	✓	✓	✓	6,800	—6825	✓	✓	✓	✓	✓	330,000	—3345	✓	✓	✓	✓	✓							
3.6	—36G5	✓	✓	✓	✓	✓	160	—1615	✓	✓	✓	✓	✓	7,500	—7525	✓	✓	✓	✓	✓	360,000	—3645	✓	✓	✓	✓	✓							
3.9	—39G5	✓	✓	✓	✓	✓	180	—1815	✓	✓	✓	✓	✓	8,200	—8225	✓	✓	✓	✓	✓	390,000	—3945	✓	✓	✓	✓	✓							
4.3	—43G5	✓	✓	✓	✓	✓	200	—2015	✓	✓	✓	✓	✓	9,100	—9125	✓	✓	✓	✓	✓	430,000	—4345	✓	✓	✓	✓	✓							
4.7	—47G5	✓	✓	✓	✓	✓	220	—2215	✓	✓	✓	✓	✓	10,000	—1035	✓	✓	✓	✓	✓	470,000	—4745	✓	✓	✓	✓	✓							
5.1	—51G5	✓	✓	✓	✓	✓	240	—2415	✓	✓	✓	✓	✓	11,000	—1135	✓	✓	✓	✓	✓	510,000	—5145	✓	✓	✓	✓	✓							
5.6	—56G5	✓	✓	✓	✓	✓	270	—2715	✓	✓	✓	✓	✓	12,000	—1235	✓	✓	✓	✓	✓	560,000	—5645	✓	✓	✓	✓	✓							
6.2	—62G5	✓	✓	✓	✓	✓	330	—3315	✓	✓	✓	✓	✓	13,000	—1335	✓	✓	✓	✓	✓	620,000	—6245	✓	✓	✓	✓	✓							
6.8	—68G5	✓	✓	✓	✓	✓	350	—3515	✓	✓	✓	✓	✓	15,000	—1535	✓	✓	✓	✓	✓	680,000	—6845	✓	✓	✓	✓	✓							
7.5	—75G5	✓	✓	✓	✓	✓	360	—3615	✓	✓	✓	✓	✓	16,000	—1635	✓	✓	✓	✓	✓	750,000	—7545	✓	✓	✓	✓	✓							
8.2	—82G5	✓	✓	✓	✓	✓	390	—3915	✓	✓	✓	✓	✓	18,000	—1835	✓	✓	✓	✓	✓	820,000	—8245	✓	✓	✓	✓	✓							
9.1	—91G5	✓	✓	✓	✓	✓	430	—4315	✓	✓	✓	✓	✓	20,000	—2035	✓	✓	✓	✓	✓	910,000	—9145	✓	✓	✓	✓	✓							
10	—1005	✓	✓	✓	✓	✓	470	—4715	✓	✓	✓	✓	✓	22,000	—2235	✓	✓	✓	✓	✓	1 MEG	—1055	✓	✓	✓	✓	✓							
11	—1105	✓	✓	✓	✓	✓	510	—5115	✓	✓	✓	✓	✓	24,000	—2435	✓	✓	✓	✓	✓	1.1 MEG	—1155	✓	✓	✓	✓	✓							
12	—1205	✓	✓	✓	✓	✓	560	—5615	✓	✓	✓	✓	✓	27,000	—2735	✓	✓	✓	✓	✓	1.2 MEG	—1255	✓	✓	✓	✓	✓							
13	—1305	✓	✓	✓	✓	✓	620	—6215	✓	✓	✓	✓	✓	30,000	—3035	✓	✓	✓	✓	✓	1.3 MEG	—1355	✓	✓	✓	✓	✓							
15	—1505	✓	✓	✓	✓	✓	680	—6815	✓	✓	✓	✓	✓	33,000	—3335	✓	✓	✓	✓	✓	1.5 MEG	—1555	✓	✓	✓	✓	✓							
16	—1605	✓	✓	✓	✓	✓	750	—7515	✓	✓	✓	✓	✓	36,000	—3635	✓	✓	✓	✓	✓	1.6 MEG	—1655	✓	✓	✓	✓	✓							
18	—1805	✓	✓	✓	✓	✓	820	—8215	✓	✓	✓	✓	✓	39,000	—3935	✓	✓	✓	✓	✓	1.8 MEG	—1855	✓	✓	✓	✓	✓							
20	—2005	✓	✓	✓	✓	✓	910	—9115	✓	✓	✓	✓	✓	43,000	—4335	✓	✓	✓	✓	✓	2.0 MEG	—2055	✓	✓	✓	✓	✓							
22	—2205	✓	✓	✓	✓	✓	1,000	—1025	✓	✓	✓	✓	✓	47,000	—4735	✓	✓	✓	✓	✓	2.2 MEG	—2255	✓	✓	✓	✓	✓							
24	—2405	✓	✓	✓	✓	✓	1,100	—1125	✓	✓	✓	✓	✓	51,000	—5135	✓	✓	✓	✓	✓	2.4 MEG	—2455	✓	✓	✓	✓	✓							
27	—2705	✓	✓	✓	✓	✓	1,200	—1225	✓	✓	✓	✓	✓	56,000	—5635	✓	✓	✓	✓	✓	2.7 MEG	—2755	✓	✓	✓	✓	✓							
30	—3005	✓	✓	✓	✓	✓	1,300	—1325	✓	✓	✓	✓	✓	62,000	—6235	✓	✓	✓	✓	✓	3.0 MEG	—3055	✓	✓	✓	✓	✓							
33	—3305	✓	✓	✓	✓	✓	1,500	—1525	✓	✓	✓	✓	✓	68,000	—6835	✓	✓	✓	✓	✓	3.3 MEG	—3355	✓	✓	✓	✓	✓							
36	—3605	✓	✓	✓	✓	✓	1,600	—1625	✓	✓	✓	✓	✓	75,000	—7535	✓	✓	✓	✓	✓	3.6 MEG	—3655	✓	✓	✓	✓	✓							
39	—3905	✓	✓	✓	✓	✓	1,800	—1825	✓	✓	✓	✓	✓	82,000	—8235	✓	✓	✓	✓	✓	3.9 MEG	—3955	✓	✓	✓	✓	✓							
43	—4305	✓	✓	✓	✓	✓	2,000	—2025	✓	✓	✓	✓	✓	91,000	—9135	✓	✓	✓	✓	✓	4.3 MEG	—4355	✓	✓	✓	✓	✓							

Ohmite Cabinet Resistor Assortments are available from stock. They consist of sturdy plastic cabinets with compartmentalized drawers. Resistors are sorted by ohmic value. Each cabinet contains resistor types and values which are available from Ohmite stock.

For an exact listing of resistance values contained in any assortment, please contact the factory of your local Ohmite distributor.

Cabinet Resistor Assortments

**Carbon Composition
Wirewound
Metal Film
Carbon Film
Metal Oxide**

CARBON COMPOSITION

CABINET ASSORTMENTS

Part No.	Power rating (watts)	Resistance range	No. of values	Quantity	No. of cabinets	Series
CAB-21*	0.125	10.0-1M	80	500	2	OB
CAB-45*	0.125	2.7-22M	160	1000	4	OB
CAB-54*	0.250	10.0-10M	40	124	1	OC
CAB-54C	0.250	10.0-5.6M	40	440	1	OD
CAB-525*	0.250	2.7-22M	80	800	2	OC
CAB-525C	0.250	2.7-5.6M	76	800	2	OD
CAB-46*	0.250	2.7-22M	160	1500	4	OC
CAB-46C	0.250	2.7-5.6M	150	1450	4	OD
CAB-510*	0.500	10.0-10M	40	120	1	OE
CAB-510C	0.500	10.0-10M	40	200	1	OF
CAB-526*	0.500	2.7-22M	80	800	2	OE
CAB-526C	0.500	2.7-20M	80	800	2	OF
CAB-47*	0.500	2.7-22M	160	1500	4	OE
CAB-47C	0.500	2.2-5.6M	150	1500	4	OF
CAB-52*	1.000	11.0-10M	40	100	1	OG
CAB-52C	1.000	2.2-1M	40	200	1	OA
CAB-527*	1.000	2.7-22M	80	480	2	OG
CAB-527C	1.000	2.2-1M	80	400	2	OA
CAB-48*	1.000	2.7-22M	160	900	4	OG
CAB-53*	2.000	10.0-10M	40	100	1	OH

WIREWOUND/METAL OXIDE

CABINET ASSORTMENTS

Part No.	Power rating (watts)	Resistance range	No. of values	Quantity	No. of cabinets	Series
CAB-TU1	3,000	.10-10K	40	80	1	TUW/TUM
CAB-TU2	5,000	.10-10K	40	80	1	TUW/TUM
CAB-TW1	3,000	.10-10K	40	80	1	TWW/TWM
CAB-TW2	5,000	.10-10K	40	80	1	TWW/TWM
CAB-WP1	1,000	.10-1K	40	200	1	WP
CAB-WP2	2,000	.10-1K	40	200	1	WP

METAL FILM

CABINET ASSORTMENTS

Part No.	Power rating (watts)	Resistance range	No. of values	Quantity	No. of cabinets	Series
CAB-8CM	0.167	10.0-301K	40	250	1	MJ
CAB-27CM	0.167	10.0-301K	80	500	2	MJ
CAB-31CM	0.167	10.0-301K	120	1000	3	MJ
CAB-9CM	0.25	10.0-1M	40	250	1	MK
CAB-28CM	0.25	10.0-1M	80	500	2	MK
CAB-32CM	0.25	10.0-1M	120	1000	3	MK
CAB-10CM	0.50	10.0-1M	40	250	1	ML
CAB-29CM	0.50	10.0-1M	80	500	2	ML
CAB-33CM	0.50	10.0-1M	120	1000	3	ML
CAB-11CM	1.0	10.0-1M	40	250	1	MM

CARBON FILM

CABINET ASSORTMENTS

Part No.	Power rating (watts)	Resistance range	No. of values	Quantity	No. of cabinets	Series
CAB-5F	0.125	10.0-1M	31	150	1	OJ
CAB-22F	0.125	10.0-1M	52	500	2	OJ
CAB-34F	0.125	10.0-1M	104	1000	3	OJ
CAB-6F	0.250	1.0-1M	36	150	1	OK
CAB-23F	0.250	1.0-1M	75	1000	2	OK
CAB-43F	0.250	1.0-1M	138	1500	4	OK
CAB-7F	0.500	1.0-1M	36	150	1	OL
CAB-24F	0.500	1.0-1M	75	1000	2	OL
CAB-44F	0.500	1.0-1M	138	1500	4	OL
CAB-14F	1.000	10.0-1M	36	150	1	OM
CAB-15F	2.000	10.0-1M	36	150	1	ON

METAL OXIDE

CABINET ASSORTMENTS

Part No.	Power rating (watts)	Resistance range	No. of values	Quantity	No. of cabinets	Series
CAB-MX1	1.0	0.39-47K	40	160	1	MX1
CAB-MX2	2.0	0.39-47K	40	160	1	MX2
CAB-MX3	3.0	5.0-100K	40	160	1	MX3
CAB-MX5	5.0	5.0-100K	40	160	1	MX5

* NOTE: OB, OC, OE, OG, and OH series not recommended for new designs. Discontinued once inventory is depleted. Substitute Little Demons (Pg. 27) or OX/OY Series (Pg. 28)