

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.

**SPECIFICATIONS**

**MATERIAL**

**Core:** High-grade ceramic.  
**Terminals:** Solder-coated copper lead.

**DERATING:** Linearly from 100% @ +70°C to 0% @ 155°C.

**ELECTRICAL**

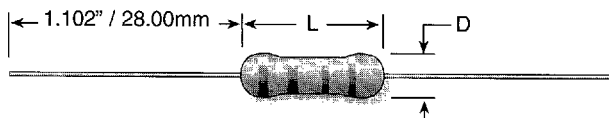
**Tolerance:** ±5%.  
**Temperature Coefficient:**  
 1Ω to 10 ±350 ppm/°C  
 11Ω to 91K -450 ppm/°C  
 100K to 1M -700 ppm/°C  
 1.1M to 10M -800 to 1500 ppm/°C

**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**



**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

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**

Wattage					Wattage					Wattage					Wattage					Wattage				
Ohmic value	Part No.	Prefix	Suffix	Wattage	Ohmic value	Part No.	Prefix	Suffix	Wattage	Ohmic value	Part No.	Prefix	Suffix	Wattage	Ohmic value	Part No.	Prefix	Suffix	Wattage	Ohmic value	Part No.	Prefix	Suffix	Wattage
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)

**OHMITE**

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