

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**

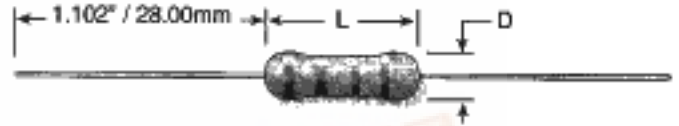
**Tolerance:** ±5%.  
**Temperature Coefficient:**  
 1Ω to 10 ±350 ppm/°C  
 11Ω to 91K -450 ppm/°C  
 100K to 1M -700 ppm/°C  
 1.1M to 10M -800 to 1500 ppm/°C

**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. Working Voltage	Lead ga.
			Max. Length	Max. Diam.		
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	0.125	0.25	0.50	1.0	2.0	Ohmic value	Part No. Prefix	Suffix	0.125	0.25	0.50	1.0	2.0	Ohmic value	Part No. Prefix	Suffix	0.125	0.25	0.50	1.0	2.0	Ohmic value	Part No. Prefix	Suffix	0.125	0.25	0.50	1.0	2.0		
																																1	10G5
1.1	11G5							51	51G5							2,400	24G5									110,000	11G4						
1.2	12G5							56	56G5							2,700	27G5									120,000	12G4						
1.3	13G5							62	62G5							3,000	30G5									130,000	13G4						
1.5	15G5							68	68G5							3,300	33G5									150,000	15G4						
1.6	16G5							75	75G5							3,600	36G5									160,000	16G4						
1.8	18G5							82	82G5							3,900	39G5									180,000	18G4						
2.0	20G5							91	91G5							4,300	43G5									200,000	20G4						
2.2	22G5							100	10G5							4,700	47G5									220,000	22G4						
2.4	24G5							110	11G5							5,100	51G5									240,000	24G4						
2.7	27G5							120	12G5							5,600	56G5									270,000	27G4						
3.0	30G5							130	13G5							6,200	62G5									300,000	30G4						
3.3	33G5							150	15G5							6,800	68G5									330,000	33G4						
3.6	36G5							160	16G5							7,500	75G5									360,000	36G4						
3.9	39G5							180	18G5							8,200	82G5									390,000	39G4						
4.3	43G5							200	20G5							9,100	91G5									430,000	43G4						
4.7	47G5							220	22G5							10,000	10G5									470,000	47G4						
5.1	51G5							240	24G5							11,000	11G5									510,000	51G4						
5.6	56G5							270	27G5							12,000	12G5									560,000	56G4						
6.2	62G5							330	33G5							13,000	13G5									620,000	62G4						
6.8	68G5							350	35G5							15,000	15G5									680,000	68G4						
7.5	75G5							360	36G5							16,000	16G5									750,000	75G4						
8.2	82G5							390	39G5							18,000	18G5									820,000	82G4						
9.1	91G5							430	43G5							20,000	20G5									910,000	91G4						
10	10G5							470	47G5							22,000	22G5									1 MEG	10G4						
11	11G5							510	51G5							24,000	24G5									1.1 MEG	11G4						
12	12G5							560	56G5							27,000	27G5									1.2 MEG	12G4						
13	13G5							620	62G5							30,000	30G5									1.3 MEG	13G4						
15	15G5							680	68G5							33,000	33G5									1.5 MEG	15G4						
16	16G5							750	75G5							36,000	36G5									1.6 MEG	16G4						
18	18G5							820	82G5							39,000	39G5									1.8 MEG	18G4						
20	20G5							910	91G5							43,000	43G5									2.0 MEG	20G4						
22	22G5							1,000	10G5							47,000	47G5									2.2 MEG	22G4						
24	24G5							1,100	11G5							51,000	51G5									2.4 MEG	24G4						
27	27G5							1,200	12G5							56,000	56G5									2.7 MEG	27G4						
30	30G5							1,300	13G5							62,000	62G5									3.0 MEG	30G4						
33	33G5							1,500	15G5							68,000	68G5									3.3 MEG	33G4						
36	36G5							1,600	16G5							75,000	75G5									3.6 MEG	36G4						
39	39G5							1,800	18G5							82,000	82G5									3.9 MEG	39G4						
43	43G5							2,000	20G5							91,000	91G5									4.3 MEG	43G4						



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-8CM	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-16F	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)