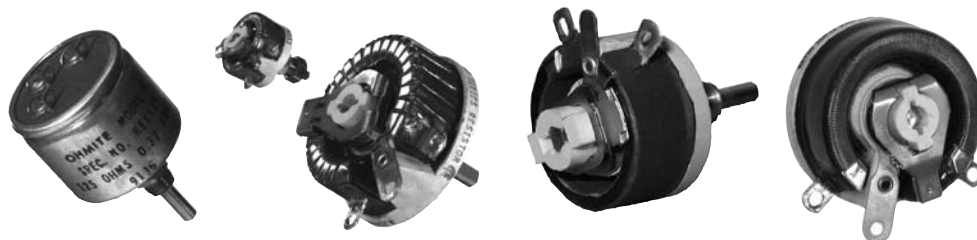


Rheostats

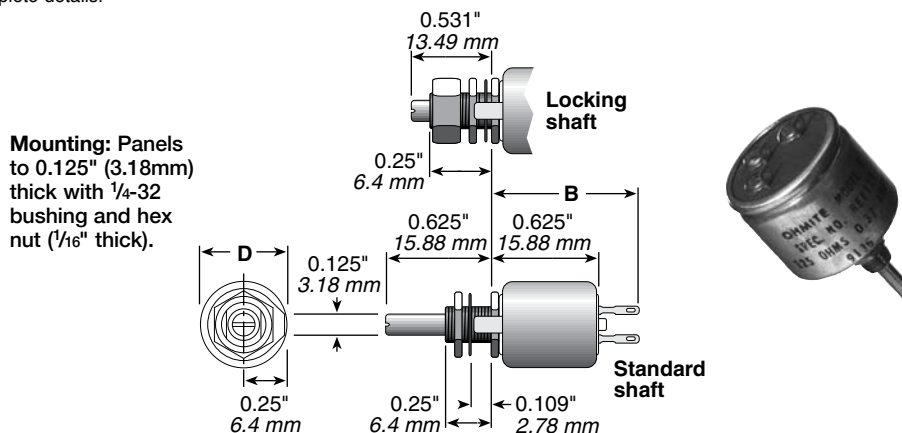
(Potentiometers) Wirewound



MODEL C

Model Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm)	Diameter "D" (in./mm)	Dimension "C" (in./mm)	Shaft torque	Rotation (±5°)
C RCS/RCL	7.5	10.0-5K	enclosed	305	0.875/22.23	0.515/ 13.08	—	0.25-3 oz. in.	300°

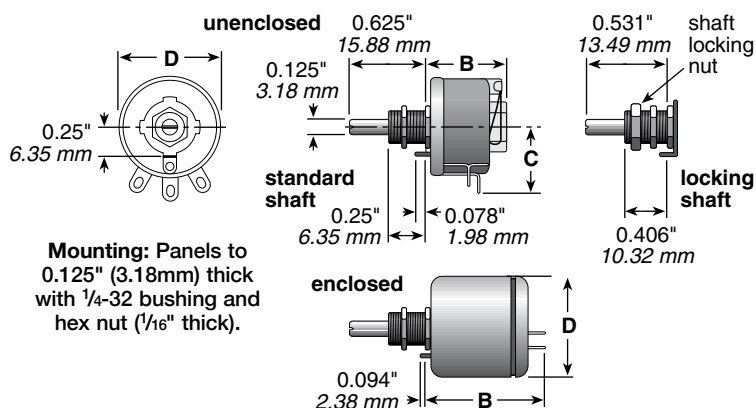
* See Catalog #203 for complete details.



MODEL E

Model Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm)	Diameter "D" (in./mm)	Dimension "C" (in./mm)	Shaft torque	Rotation (±5°)
E RES/REL	12.5	1.0-15K	open	305	0.688/17.46	0.875/ 22.23	0.594/15.08	1-6 oz. in.	300°
E REE	12.5	1.0-15K	enclosed	305	1.219/30.96	1.047/ 26.59	—	1-6 oz. in.	300°

* See Catalog #203 for complete details.



Dimensions for reference only; consult factory for details.

Since all rheostats/potentiometers are electro-mechanical devices, they are subject to mechanical wear and, therefore, have a finite life.

Models H, J, K, L and N are listed under UL File No. E-10946 and CSA File No. 21309 unless noted otherwise.

All rheostats are 10% tolerance.

Rheostats

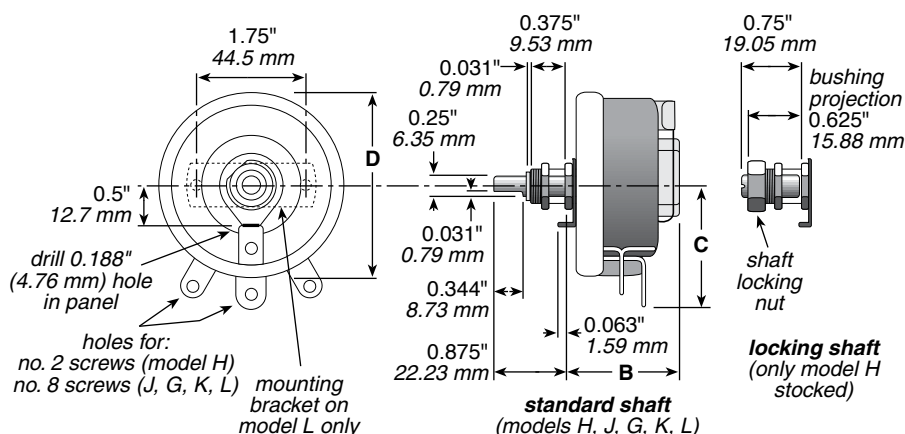
(Potentiometers) Wirewound

MODELS H, J, G, K, L

Model Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm)	Diameter "D" (in./mm)	Dimension "C" (in./mm)	Shaft torque	Rotation (±5°)
H RHS/RHL	25	1.0-25K	open	500	1.375/34.93	1.560/ 39.62	0.940/23.88	0.25-0.5 lb. in.	300°
J RJS	50	0.5-50K	open	750	1.375/34.93	2.31 / 58.67	1.56 /39.62	0.25-2 lb. in.	300°
G RGS	75	0.5-50K	open	900	1.750/44.45	2.75 / 69.25	1.78 /45.21	0.5-2 lb. in.	300°
K RKS	100	0.5-50K	open	1000	1.750/44.45	3.125/ 79.38	1.91 /48.51	0.5-2 lb. in.	300°
L RLS	150	0.5-50K	open	1200	2.000 / 50.8	4.00 /101.60	2.28 /57.91	0.5-3 lb. in.	300°

* Models H, J, G, and K also available in enclosed versions.

• See Catalog #203 for complete details.



Mounting: Panels to 0.25" (6.35mm) thick with $\frac{3}{8}$ -32 bushing and hex nut ($\frac{3}{32}$ " thick) (or with 10-32 x 0.75 flat-head screws for model L only).

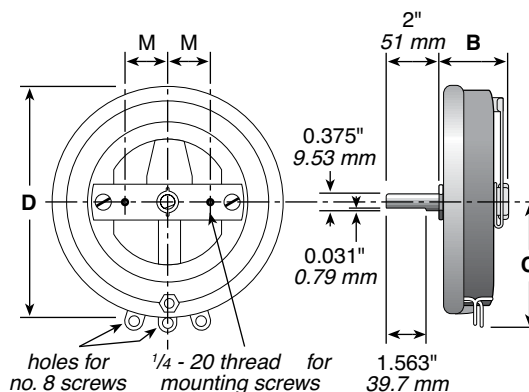
MODELS P, N, R, U

Model Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm)	Diameter "D" (in./mm)	Dimension "C" (in./mm)	Shaft torque	Rotation (±5°)
P RPS	225	1.0-30K	open	1300	2.125/53.98	5.00 /127.00	2.97 /75.44	2.5-4 lb. in.	310°
N RNS	300	1.0-50K	open	1225	2.375/60.33	6.00 /152.40	3.44 /87.38	2.5-5 lb. in.	320°
R RRS	500	1.0-20K	open	1450	2.125/53.98	8.00 /203.20	4.31/109.47	4.5-7 lb. in.	325°
U RUS	1000	1.0-20K	open	1600	3.000 / 76.2	12.00 /304.80	6.38/162.05	3.5-7 lb. in.	335°

• See Catalog #203 for complete details.

Dimension "M"	
P	0.875" 22.23 mm
N	1.188" 30.16 mm
R	1.5" 38.1 mm
U	3" 76.2 mm

Mounting: Panels to 1.25" (31.75mm) thick with $\frac{1}{4}$ -20 flat-head screws.



(continued)

Rheostats

(Potentiometers) Wirewound

ORDERING INFORMATION

Code	Watts	Model	Shaft	Core
CL =	7.5	C	Locking	Enclosed
CS =	7.5	C	Standard	Enclosed
EE =	12.5	E	Locking	Open
EL =	12.5	E	Standard	Open
ES =	12.5	E	Standard	Open
GS =	75	G	Standard	Open
HL =	25	H	Locking	Open
HS =	25	H	Standard	Open
JS =	50	J	Standard	Open
KS =	100	K	Standard	Open
LS =	150	L	Standard	Open
NS =	300	N	Standard	Open
PS =	225	P	Standard	Open
RS =	500	R	Standard	Open
US =	1000	U	Standard	Open

Series —
Rheostats
Wirewound
Potentiometers

E = RoHS compliant

R C S R 5 0 E

*Check table for standard resistance values and maximum current values

Resistance Value*

Example:
R50 = 0.50Ω
1R0 = 1Ω
7R5 = 7.5Ω
250 = 250Ω
1K0 = 1,000Ω
1K75 = 1,750Ω
4K5 = 4,500Ω
50K = 50,000Ω

• RoHS compliant product available. Add "E" suffix to part number to specify.

• Made-to-order rheostats available: Contact nearest Ohmite sales office.

* Voltage rating dependent on resistance value.

Ohmic value	Part No. Prefix ➤ Suffix ▼	7.5W Model C			12.5W Model E			25W Model H			50W Model J		75W Model G		100W Model K		150W Model L		225W Model P		300W Model N		500W Model R		1000W Model U			
		Res — RCL	Std. shaft — Locking	Amps max.	Res — REL	Std. shaft — Locking	Enclosed — REE	Amps max.	Res — RHS	Std. shaft — Locking	Amps max.	Res — RJS	Amps max.	Res — RGS	Amps max.	Res — RKS	Amps max.	Res — RLS	Amps max.	Res — RPS	Amps max.	Res — RNS	Amps max.	Res — RRS	Amps max.	Res — RUS	Amps max.	
0.5 —R50					✓	✓	✓	3.53	✓	✓	5.00	✓	10.0	✓	12.3	✓	14.1	✓	17.3		✓	15.0	✓	17.32	✓	22.3	✓	31.6
1 —1R0					✓	✓	✓	2.50	✓	✓	3.54	✓	7.07	✓	8.66	✓	10	✓	12.3		✓	10.6	✓	12.24	✓	18.2	✓	25.8
1.5 —1R5					✓	✓	✓	2.24	✓	✓	3.54	✓	5.00	✓	6.12	✓	7.07	✓	8.65		✓	10.6	✓	12.24	✓	15.8	✓	22.4
2 —2R0					✓	✓	✓	2.04	✓	✓	2.88	✓	5.00	✓	5.00	✓	7.07	✓	8.65		✓	10.6	✓	12.24	✓	14.1	✓	20.0
2.5 —2R5					✓	✓	✓	2.04	✓	✓	2.88	✓	5.00	✓	6.12	✓	7.07	✓	8.65		✓	10.6	✓	12.24	✓	14.1	✓	20.0
3 —3R0					✓	✓	✓	2.04	✓	✓	2.88	✓	5.00	✓	5.00	✓	7.07	✓	8.65		✓	10.6	✓	12.24	✓	12.9	✓	18.3
4 —4R0					✓	✓	✓	1.58	✓	✓	2.04	✓	3.53	✓	3.88	✓	5.75	✓	7.07		✓	8.66	✓	10.00	✓	11.2	✓	15.8
5 —5R0					✓	✓	✓	1.44	✓	✓	2.04	✓	3.53	✓	3.88	✓	5.75	✓	7.07		✓	8.66	✓	10.00	✓	11.2	✓	15.8
6 —6R0					✓	✓	✓	1.25	✓	✓	1.77	✓	2.50	✓	3.16	✓	4.47	✓	5.48		✓	6.71	✓	7.75	✓	10.0	✓	14.1
7.5 —7R5					✓	✓	✓	1.12	✓	✓	1.58	✓	2.50	✓	3.16	✓	4.47	✓	5.48		✓	6.71	✓	7.75	✓	10.0	✓	14.1
8 —8R0		✓	✓	0.86	✓	✓	✓	0.91	✓	✓	1.29	✓	2.50	✓	2.74	✓	3.16	✓	3.88		✓	4.74	✓	5.48	✓	7.90	✓	11.2
10 —10R		✓	✓	0.86	✓	✓	✓	0.91	✓	✓	1.29	✓	2.50	✓	2.74	✓	3.16	✓	3.88		✓	4.74	✓	5.48	✓	7.90	✓	11.2
12 —12R		✓	✓	0.71	✓	✓	✓	0.91	✓	✓	1.29	✓	2.50	✓	2.74	✓	3.16	✓	3.88		✓	4.74	✓	5.48	✓	6.30	✓	10.0
12.5 —12R5		✓	✓	0.71	✓	✓	✓	0.91	✓	✓	1.29	✓	2.50	✓	2.74	✓	3.16	✓	3.88		✓	4.74	✓	5.48	✓	6.30	✓	10.0
15 —15R		✓	✓	0.55	✓	✓	✓	0.60	✓	✓	0.845	✓	1.76	✓	2.17	✓	2.50	✓	3.163		✓	3.87	✓	4.47	✓	6.30	✓	8.95
16 —16R		✓	✓	0.46	✓	✓	✓	0.60	✓	✓	0.845	✓	1.50	✓	2.17	✓	2.50	✓	3.163		✓	3.87	✓	4.47	✓	6.30	✓	8.95
22 —22R		✓	✓	0.55	✓	✓	✓	0.71	✓	✓	1.00	✓	1.76	✓	2.17	✓	2.50	✓	3.163		✓	3.87	✓	4.47	✓	6.30	✓	8.95
25 —25R		✓	✓	0.46	✓	✓	✓	0.60	✓	✓	0.845	✓	1.50	✓	2.17	✓	2.50	✓	3.163		✓	3.87	✓	4.47	✓	6.30	✓	8.95
35 —35R		✓	✓	0.39	✓	✓	✓	0.50	✓	✓	0.707	✓	1.76	✓	2.17	✓	2.50	✓	3.163		✓	3.87	✓	4.47	✓	6.30	✓	8.95
40 —40R		✓	✓	0.32	✓	✓	✓	0.40	✓	✓	0.575	✓	1.50	✓	2.17	✓	2.50	✓	3.163		✓	3.87	✓	4.47	✓	6.30	✓	8.95
50 —50R		✓	✓	0.32	✓	✓	✓	0.40	✓	✓	0.575	✓	1.50	✓	2.17	✓	2.50	✓	3.163		✓	3.87	✓	4.47	✓	6.30	✓	8.95
75 —75R		✓	✓	0.27	✓	✓	✓	0.36	✓	✓	0.500	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
80 —80R		✓	✓	0.27	✓	✓	✓	0.36	✓	✓	0.500	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
100 —100		✓	✓	0.22	✓	✓	✓	0.29	✓	✓	0.375	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
125 —125		✓	✓	0.22	✓	✓	✓	0.29	✓	✓	0.375	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
150 —150		✓	✓	0.17	✓	✓	✓	0.22	✓	✓	0.316	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
160 —160		✓	✓	0.17	✓	✓	✓	0.22	✓	✓	0.316	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
175 —175		✓	✓	0.19	✓	✓	✓	0.25	✓	✓	0.375	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
200 —200		✓	✓	0.19	✓	✓	✓	0.25	✓	✓	0.375	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
225 —225		✓	✓	0.17	✓	✓	✓	0.22	✓	✓	0.316	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
250 —250		✓	✓	0.17	✓	✓	✓	0.22	✓	✓	0.316	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
300 —300		✓	✓	0.15	✓	✓	✓	0.19	✓	✓	0.267	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
325 —325		✓	✓	0.15	✓	✓	✓	0.19	✓	✓	0.267	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
350 —350		✓	✓	0.12	✓	✓	✓	0.16	✓	✓	0.222	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
400 —400		✓	✓	0.12	✓	✓	✓	0.16	✓	✓	0.222	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
500 —500		✓	✓	0.10	✓	✓	✓	0.13	✓	✓	0.182	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
600 —600		✓	✓	0.10	✓	✓	✓	0.13	✓	✓	0.182	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
700 —700		✓	✓	0.10	✓	✓	✓	0.13	✓	✓	0.182	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
750 —750		✓	✓	0.10	✓	✓	✓	0.13	✓	✓	0.182	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
800 —800		✓	✓	0.10	✓	✓	✓	0.13	✓	✓	0.182	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
900 —900		✓	✓	0.086	✓	✓	✓	0.10	✓	✓	0.155	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
1000 —1K0		✓	✓	0.086	✓	✓	✓	0.10	✓	✓	0.155	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
1200 —1K2		✓	✓	0.071	✓	✓	✓	0.090	✓	✓	0.129	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
1250 —1K25		✓	✓	0.071	✓	✓	✓	0.090	✓	✓	0.129	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
1500 —1K5		✓	✓	0.071	✓	✓	✓	0.090	✓	✓	0.129	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
1600 —1K6		✓	✓	0.071	✓	✓	✓	0.090	✓	✓	0.129	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
1750 —1K75		✓	✓	0.055	✓	✓	✓	0.070	✓	✓	0.100	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
1800 —1K8		✓	✓	0.055	✓	✓	✓	0.070	✓	✓	0.100	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
2000 —2K0		✓	✓	0.046	✓	✓	✓	0.060	✓	✓	0.084	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
2250 —2K25		✓	✓	0.046	✓	✓	✓	0.060	✓	✓	0.084	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
2500 —2K5		✓	✓	0.039	✓	✓	✓	0.050	✓	✓	0.070	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
3000 —3K0		✓	✓	0.039	✓	✓	✓	0.050	✓	✓	0.070	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
3500 —3K5		✓	✓	0.039	✓	✓	✓	0.050	✓	✓	0.070	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
4500 —4K5		✓	✓	0.039	✓	✓	✓	0.050	✓	✓	0.070	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓	4.47	✓	6.33
5000 —5K0		✓	✓	0.039	✓	✓	✓	0.050	✓	✓	0.070	✓	1.00	✓	1.23	✓	1.41	✓	1.735		✓	3.00	✓	3.46	✓			

✓ = Standard values; check availability
Rheostats are silicone-ceramic coated at and above the following ohmic values:
Model C: all
Model E: 750Ω
Model H: 2000Ω
Model J: 5000Ω
Model G: 5000Ω
Model K: 5000Ω
Model L: 7500Ω