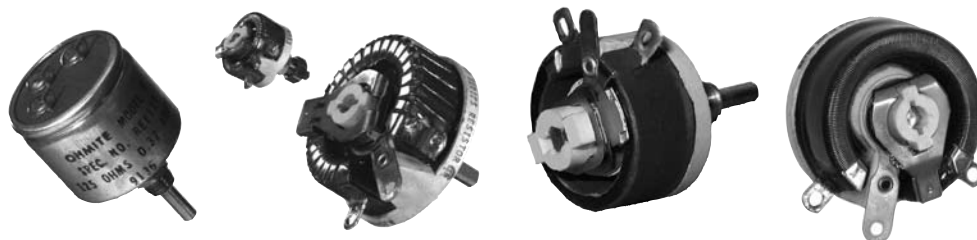


Rheostats

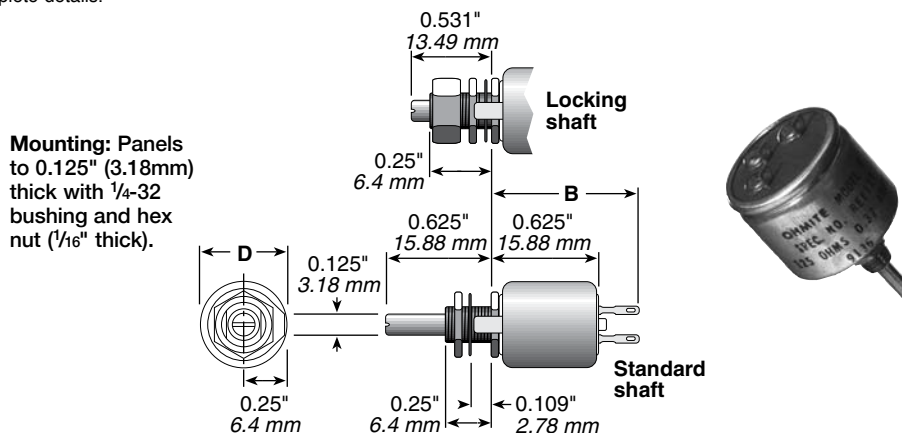
(Potentiometers) Wirewound



MODEL C

Model Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	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°

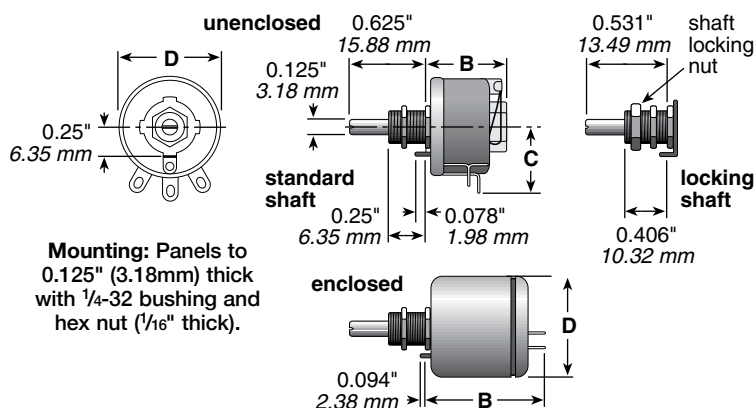
* See Catalog #203 for complete details.



MODEL E

Model Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	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

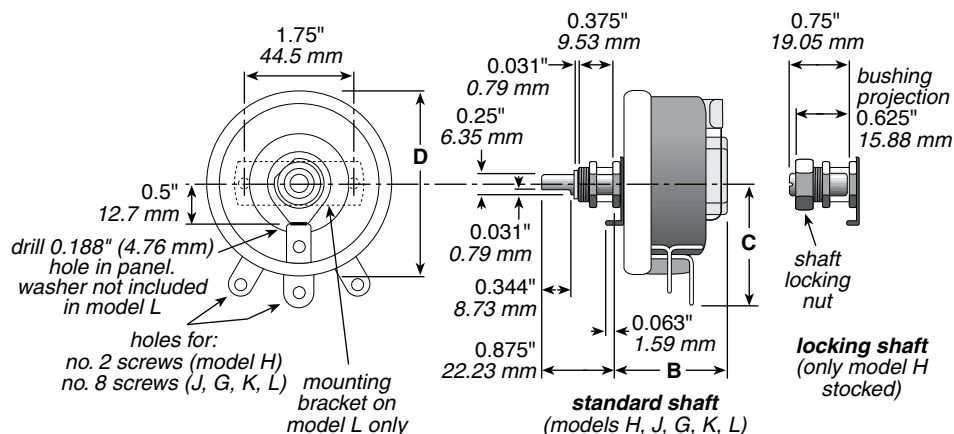
(Potentiometers) Wirewound

MODELS H, J, G, K, L

Model	Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	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.

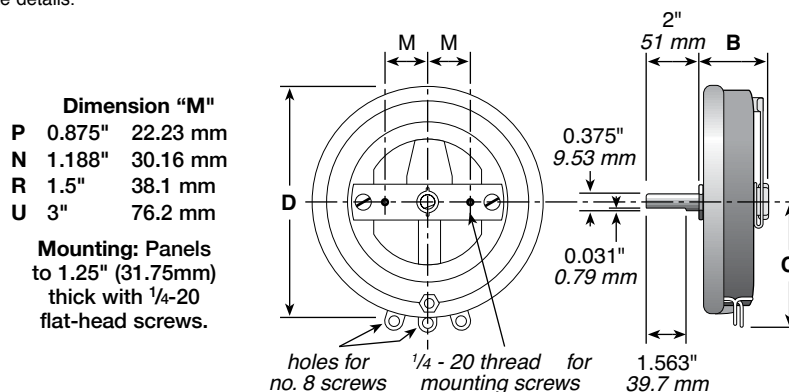


Mounting: Panels to 0.25" (6.35mm) thick with $\frac{3}{8}$ -32 bushing and hex nut ($\frac{3}{32}$ " thick) (or with 10-32 x 0.75 flat-head screws for model L only).

MODELS P, N, R, U

Model	Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	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.



Model	Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	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°

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

RCSR50E

*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	
		RCS	RCL	Amps max.	RES	REL	REE	Amps max.	RHS	RHL	Amps max.	RJS	RGS	RKS	RLS	RPS	RNS	RRS	RUS
0.5 —R50					✓	✓	✓	3.53	✓	✓	5.00	✓	✓	✓	✓	✓	✓	✓	✓
1 —1R0					✓	✓	✓	2.50	✓	✓	3.54	✓	✓	✓	✓	✓	✓	✓	✓
1.5 —1R5					✓	✓	✓	2.24	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
2 —2R0					✓	✓	✓	2.04	✓	✓	2.88	✓	✓	✓	✓	✓	✓	✓	✓
2.5 —2R5					✓	✓	✓	1.58	✓	✓	2.04	✓	✓	✓	✓	✓	✓	✓	✓
3 —3R0					✓	✓	✓	1.44	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
4 —4R0					✓	✓	✓	1.25	✓	✓	1.77	✓	✓	✓	✓	✓	✓	✓	✓
5 —5R0					✓	✓	✓	1.12	✓	✓	1.58	✓	✓	✓	✓	✓	✓	✓	✓
6 —6R0					✓	✓	✓	0.91	✓	✓	1.29	✓	✓	✓	✓	✓	✓	✓	✓
7.5 —7R5					✓	✓	✓	0.71	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
8 —8R0		✓	✓	0.86	✓	✓	✓	0.71	✓	✓	1.00	✓	✓	✓	✓	✓	✓	✓	✓
10 —10R		✓	✓		✓	✓	✓	0.60	✓	✓	0.845	✓	✓	✓	✓	✓	✓	✓	✓
12 —12R		✓	✓		✓	✓	✓	0.50	✓	✓	0.707	✓	✓	✓	✓	✓	✓	✓	✓
12.5 —12R5		✓	✓		✓	✓	✓	0.40	✓	✓	0.575	✓	✓	✓	✓	✓	✓	✓	✓
15 —15R		✓	✓	0.71	✓	✓	✓	0.36	✓	✓	0.500	✓	✓	✓	✓	✓	✓	✓	✓
16 —16R		✓	✓		✓	✓	✓	0.32	✓	✓	0.445	✓	✓	✓	✓	✓	✓	✓	✓
22 —22R		✓	✓		✓	✓	✓	0.29	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
25 —25R		✓	✓	0.55	✓	✓	✓	0.27	✓	✓	0.375	✓	✓	✓	✓	✓	✓	✓	✓
35 —35R		✓	✓	0.46	✓	✓	✓	0.25	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
40 —40R		✓	✓		✓	✓	✓	0.22	✓	✓	0.470	✓	✓	✓	✓	✓	✓	✓	✓
50 —50R		✓	✓	0.39	✓	✓	✓	0.22	✓	✓	0.316	✓	✓	✓	✓	✓	✓	✓	✓
75 —75R		✓	✓	0.32	✓	✓	✓	0.19	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
80 —80R		✓	✓		✓	✓	✓	0.16	✓	✓	0.222	✓	✓	✓	✓	✓	✓	✓	✓
100 —100		✓	✓	0.27	✓	✓	✓	0.13	✓	✓	0.182	✓	✓	✓	✓	✓	✓	✓	✓
125 —125		✓	✓		✓	✓	✓	0.10	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
150 —150		✓	✓	0.22	✓	✓	✓	0.090	✓	✓	0.129	✓	✓	✓	✓	✓	✓	✓	✓
160 —160		✓	✓		✓	✓	✓	0.071	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
175 —175		✓	✓		✓	✓	✓	0.070	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
200 —200		✓	✓	0.19	✓	✓	✓	0.050	✓	✓	0.058	✓	✓	✓	✓	✓	✓	✓	✓
225 —225		✓	✓		✓	✓	✓	0.041	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
250 —250		✓	✓	0.17	✓	✓	✓	0.035	✓	✓	0.050	✓	✓	✓	✓	✓	✓	✓	✓
300 —300		✓	✓		✓	✓	✓	0.031	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
325 —325		✓	✓		✓	✓	✓	0.029	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
350 —350		✓	✓	0.15	✓	✓	✓	0.024	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
400 —400		✓	✓		✓	✓	✓	0.022	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
500 —500		✓	✓	0.12	✓	✓	✓	0.020	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
600 —600		✓	✓		✓	✓	✓	0.018	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
700 —700		✓	✓		✓	✓	✓	0.016	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
750 —750		✓	✓	0.10	✓	✓	✓	0.014	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
800 —800		✓	✓		✓	✓	✓	0.012	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
900 —900		✓	✓		✓	✓	✓	0.010	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
1000 —1K0		✓	✓	0.086	✓	✓	✓	0.009	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
1200 —1K2		✓	✓		✓	✓	✓	0.008	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
1250 —1K25		✓	✓		✓	✓	✓	0.007	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
1500 —1K5		✓	✓	0.071	✓	✓	✓	0.006	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
1600 —1K6		✓	✓		✓	✓	✓	0.005	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
1750 —1K75		✓	✓		✓	✓	✓	0.004	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
1800 —1K8		✓	✓		✓	✓	✓	0.003	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
2000 —2K0		✓	✓		✓	✓	✓	0.002	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
2250 —2K25		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
2500 —2K5		✓	✓	0.055	✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
3000 —3K0		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
3500 —3K5		✓	✓	0.046	✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
4500 —4K5		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
5000 —5K0		✓	✓	0.039	✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
7500 —7K5		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
8000 —8K0		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
10000 —10K		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
12500 —12K5		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
15000 —15K		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
20000 —20K		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
25000 —25K		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
30000 —30K		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
40000 —40K		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓
50000 —50K		✓	✓		✓	✓	✓	0.001	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓

✓ = 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