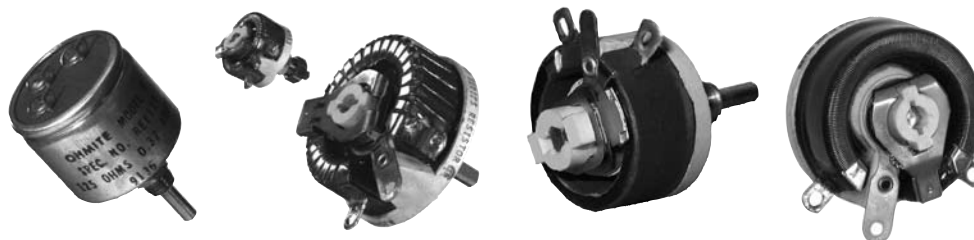
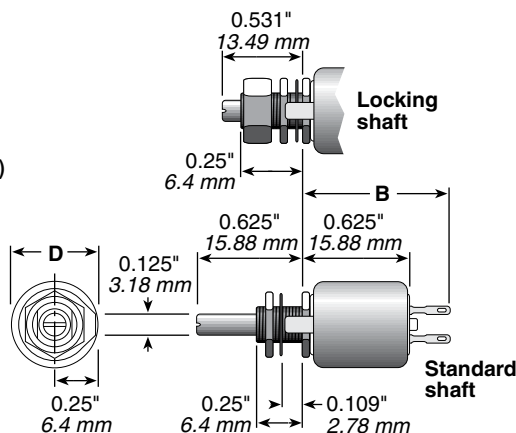


(Potentiometers) Wirewound



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°

Mounting: Panels to 0.125" (3.18mm) thick with 1/4-32 bushing and hex nut (1/16" thick).



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°

The image contains three technical drawings of REL locking shafts. The first drawing on the left shows the front view of an unenclosed shaft with dimensions: outer diameter D, central hole diameter 0.25" (6.35 mm), and mounting hole diameter 0.125" (3.18 mm). The middle drawing shows a side view of an unenclosed shaft with dimensions: shaft diameter 0.625" (15.88 mm), mounting hole diameter 0.125" (3.18 mm), mounting hole offset 0.25" (6.35 mm), shaft offset 0.078" (1.98 mm), and mounting hole diameter 0.25" (6.35 mm). The right drawing shows a side view of an enclosed shaft with dimensions: shaft diameter 0.531" (13.49 mm), mounting hole diameter 0.531" (13.49 mm), mounting hole offset 0.406" (10.32 mm), and mounting hole diameter 0.25" (6.35 mm). The bottom drawing shows a side view of an enclosed shaft with dimensions: shaft diameter 0.094" (2.38 mm), mounting hole diameter 0.094" (2.38 mm), and mounting hole offset 0.25" (6.35 mm).

unenclosed

0.625" 15.88 mm

0.125" 3.18 mm

0.25" 6.35 mm

standard shaft

0.25" 6.35 mm

0.078" 1.98 mm

enclosed

0.094" 2.38 mm

0.531" 13.49 mm

0.406" 10.32 mm

shaft locking nut

REL locking shaft

Mounting: Panels to 0.125" (3.18mm) thick with 1/4-32 bushing and hex nut (1/16" thick).

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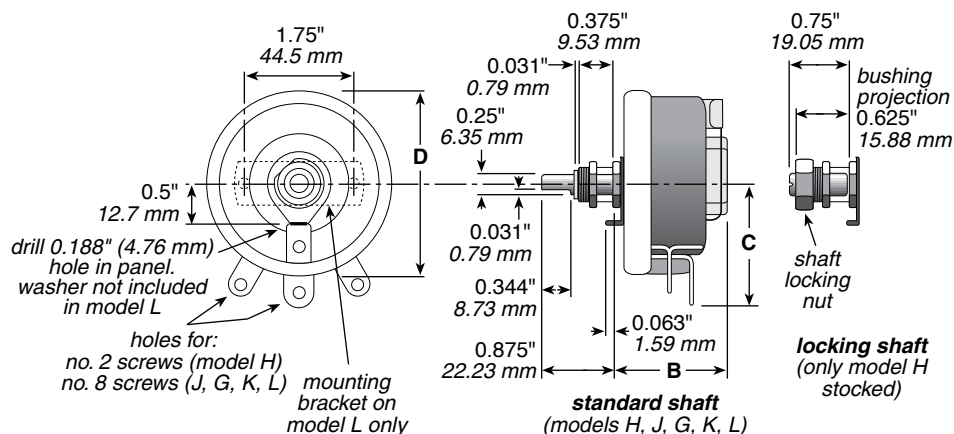
(Potentiometers) Wirewound

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.

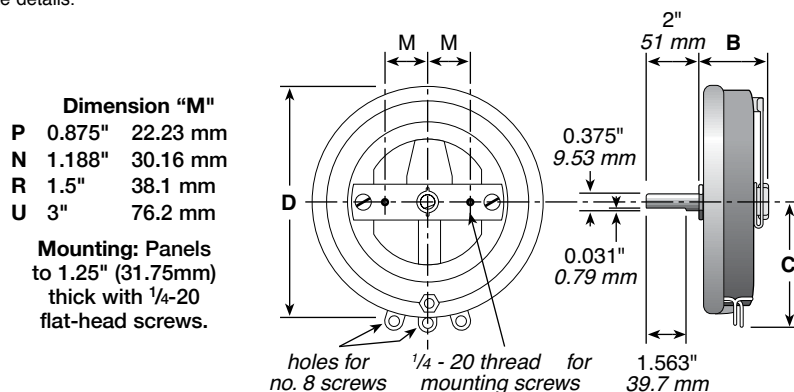


Mounting: Panels to 0.25" (6.35mm) thick with $\frac{3}{8}$ -32 bushing and hex nut ($\frac{3}{32}$ " thick) (or with 10-32 x 0.75 flat-head screws for model L only).

MODELS P, N, R, U

Model	Type	Watts	Ohmic range	Core	Max.	Behind panel "B" (in./mm Ref.)	Diameter "D" (in./mm Ref.)	Dimension "C" (in./mm Ref.)	Shaft torque	Rotation (±5°)
					Voltage (RMS)*					
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.



Mounting: Panels to 1.25" (31.75mm) thick with 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	Standard	Open
EL =	12.5	E	Locking	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
		Std. shaft	Locking	Amps max.	Std. shaft	Locking	Enclosed	Amps max.	Std. shaft	Locking	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.	Amps max.
0.5 —R50					✓	✓	✓	3.53	✓	✓	5.00	✓	✓	✓	✓	✓	✓	✓
1 —1R0					✓	✓	✓	2.50	✓	✓	3.54	✓	✓	✓	✓	✓	✓	✓
1.5 —1R5					✓	✓	✓	2.24	✓	✓	2.88	✓	✓	✓	✓	✓	✓	✓
2 —2R0					✓	✓	✓	2.04	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
2.5 —2R5					✓	✓	✓	1.58	✓	✓	2.04	✓	✓	✓	✓	✓	✓	✓
3 —3R0					✓	✓	✓	1.44	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
4 —4R0					✓	✓	✓	1.25	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
5 —5R0					✓	✓	✓	1.12	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
6 —6R0					✓	✓	✓	0.91	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
7.5 —7R5					✓	✓	✓	0.71	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
8 —8R0		✓	✓	0.86	✓	✓	✓	0.71	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
10 —10R		✓	✓	0.71	✓	✓	✓	0.60	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
12 —12R		✓	✓	0.55	✓	✓	✓	0.445	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
12.5 —12R5		✓	✓	0.46	✓	✓	✓	0.375	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
15 —15R		✓	✓	0.39	✓	✓	✓	0.316	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
16 —16R		✓	✓	0.32	✓	✓	✓	0.267	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
22 —22R		✓	✓	0.27	✓	✓	✓	0.224	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
25 —25R		✓	✓	0.22	✓	✓	✓	0.182	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
35 —35R		✓	✓	0.19	✓	✓	✓	0.155	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
40 —40R		✓	✓	0.17	✓	✓	✓	0.129	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
50 —50R		✓	✓	0.15	✓	✓	✓	0.100	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
75 —75R		✓	✓	0.12	✓	✓	✓	0.086	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
80 —80R		✓	✓	0.10	✓	✓	✓	0.071	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
100 —100		✓	✓	0.086	✓	✓	✓	0.060	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
125 —125		✓	✓	0.071	✓	✓	✓	0.050	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
150 —150		✓	✓	0.060	✓	✓	✓	0.0445	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
160 —160		✓	✓	0.055	✓	✓	✓	0.0375	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
175 —175		✓	✓	0.046	✓	✓	✓	0.0316	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
200 —200		✓	✓	0.039	✓	✓	✓	0.0267	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
225 —225		✓	✓	0.032	✓	✓	✓	0.0224	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
250 —250		✓	✓	0.027	✓	✓	✓	0.0200	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
300 —300		✓	✓	0.022	✓	✓	✓	0.0176	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
325 —325		✓	✓	0.019	✓	✓	✓	0.0155	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
350 —350		✓	✓	0.017	✓	✓	✓	0.0129	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
400 —400		✓	✓	0.015	✓	✓	✓	0.0100	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
500 —500		✓	✓	0.012	✓	✓	✓	0.0086	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
600 —600		✓	✓	0.010	✓	✓	✓	0.0071	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
700 —700		✓	✓	0.0086	✓	✓	✓	0.0060	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
750 —750		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
800 —800		✓	✓	0.0060	✓	✓	✓	0.00445	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
900 —900		✓	✓	0.0055	✓	✓	✓	0.00375	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
1000 —1K0		✓	✓	0.0046	✓	✓	✓	0.00316	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
1200 —1K2		✓	✓	0.0039	✓	✓	✓	0.00267	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
1250 —1K25		✓	✓	0.0032	✓	✓	✓	0.00224	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
1500 —1K5		✓	✓	0.0027	✓	✓	✓	0.00200	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
1600 —1K6		✓	✓	0.0022	✓	✓	✓	0.00176	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
1750 —1K75		✓	✓	0.0019	✓	✓	✓	0.00155	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
1800 —1K8		✓	✓	0.0017	✓	✓	✓	0.00129	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
2000 —2K0		✓	✓	0.0015	✓	✓	✓	0.00100	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
2250 —2K25		✓	✓	0.0012	✓	✓	✓	0.00086	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
2500 —2K5		✓	✓	0.0010	✓	✓	✓	0.00071	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
3000 —3K0		✓	✓	0.00086	✓	✓	✓	0.00060	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
3500 —3K5		✓	✓	0.00071	✓	✓	✓	0.00050	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
4500 —4K5		✓	✓	0.00060	✓	✓	✓	0.000445	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
5000 —5K0		✓	✓	0.00055	✓	✓	✓	0.000375	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
7500 —7K5		✓	✓	0.00046	✓	✓	✓	0.000316	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
8000 —8K0		✓	✓	0.00039	✓	✓	✓	0.000267	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
10000 —10K		✓	✓	0.00032	✓	✓	✓	0.000224	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
12500 —12K5		✓	✓	0.00027	✓	✓	✓	0.000200	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
15000 —15K		✓	✓	0.00022	✓	✓	✓	0.000176	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
20000 —20K		✓	✓	0.00019	✓	✓	✓	0.000155	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
25000 —25K		✓	✓	0.00017	✓	✓	✓	0.000129	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
30000 —30K		✓	✓	0.00015	✓	✓	✓	0.000100	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
40000 —40K		✓	✓	0.00012	✓	✓	✓	0.000086	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓
50000 —50K		✓	✓	0.00010	✓	✓	✓	0.000071	✓	✓	2.50	✓	✓	✓	✓	✓	✓	✓

✓ = 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

Mouser Electronics

Authorized Distributor

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Ohmite:

[RPS150](#) [RUS400](#) [RLS50R](#) [RLS3R0](#) [RJS500](#) [RLS2R0](#) [RLS10R](#) [RLS15R](#) [REE3K5](#) [REE350](#) [RCL3K5](#) [REL3K5](#)
[RRS750](#) [RHS750](#) [RKS16R](#) [RKS10R](#) [RKS75R](#) [REE125](#) [RNS200](#) [REE25R](#) [RNS2K0](#) [RHL500](#) [RGS1K5](#) [RES1K5](#)
[RCL750](#) [RHS20K](#) [RES8R0](#) [RHS25K](#) [RPS25R](#) [RRS2K0](#) [RKS750](#) [RGS200](#) [RNS3R0](#) [RNS4R0](#) [RNS5R0](#) [RNS2R0](#)
[RNS1R0](#) [RHS5K0](#) [RHL5K0](#) [RHS1K0](#) [RJS6R0](#) [RHL350](#) [RHL1K0](#) [RJS30K](#) [RJS1R0](#) [RCL5K0](#) [RPS900](#) [RCL1K0](#)
[RES350](#) [RCS1K5](#) [RES3R0](#) [RPS50R](#) [RES15K](#) [RPS100](#) [RHL750](#) [RGS7R5](#) [RGS750](#) [RNS400](#) [RCS250](#) [RHS175](#)
[RES12K5](#) [REL2R5](#) [REL200](#) [REL25R](#) [RUS100](#) [RJS40K](#) [RRS12R5](#) [RUS12R5](#) [RNS700](#) [RCS150](#) [RNS7R5](#)
[RCS100](#) [REL350](#) [RKS10K](#) [REE200](#) [REE2R5](#) [RCS75R](#) [RCS25R](#) [RCS50R](#) [RCS15R](#) [RCS35R](#) [RCS10R](#) [REL750](#)
[RCS500](#) [RHL15K](#) [RHL20K](#) [RHL25K](#) [RRS500](#) [RGS300](#) [RGS100](#) [RKS1K0](#) [RCS1K0](#) [RJS25K](#) [RJS20K](#) [RCS5K0](#)
[RHL10R](#) [RHL15R](#) [RHL25R](#) [RKS5R0](#) [RRS2R5](#)