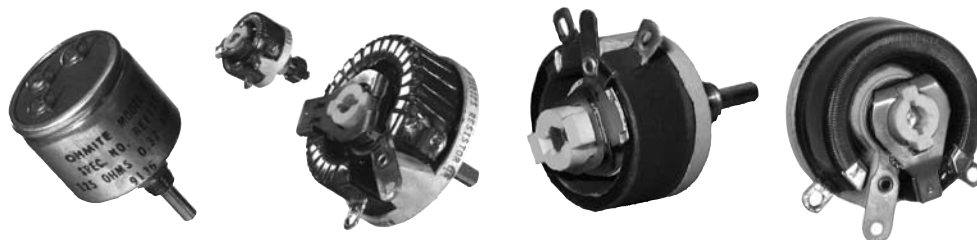


Rheostats

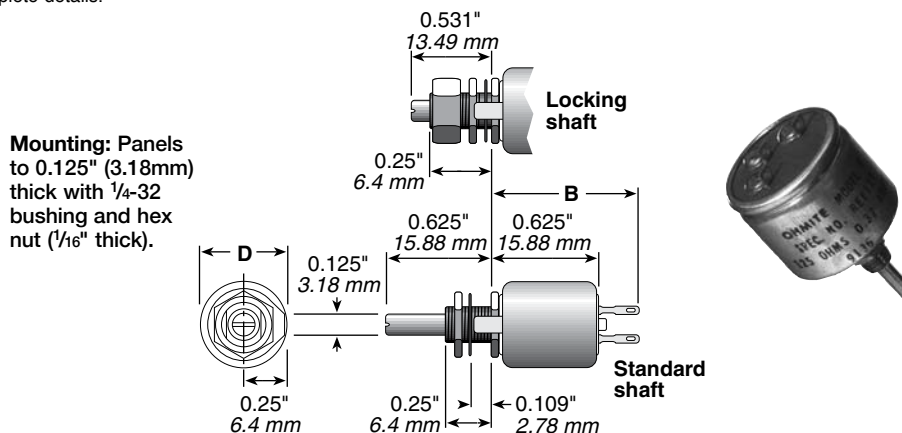
(Potentiometers) Wirewound



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°

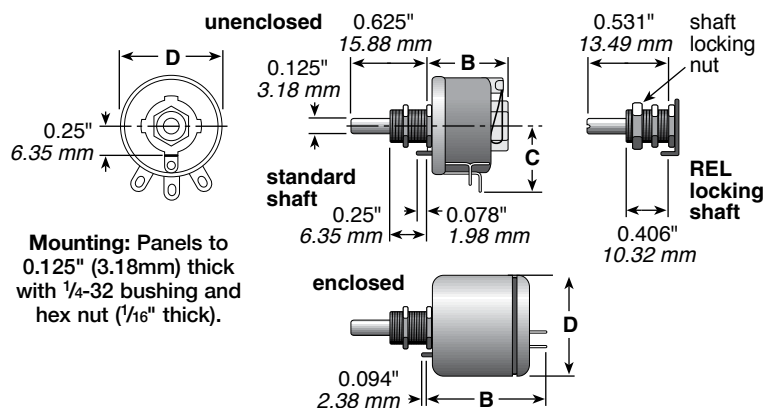
* See Catalog #203 for complete details.



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

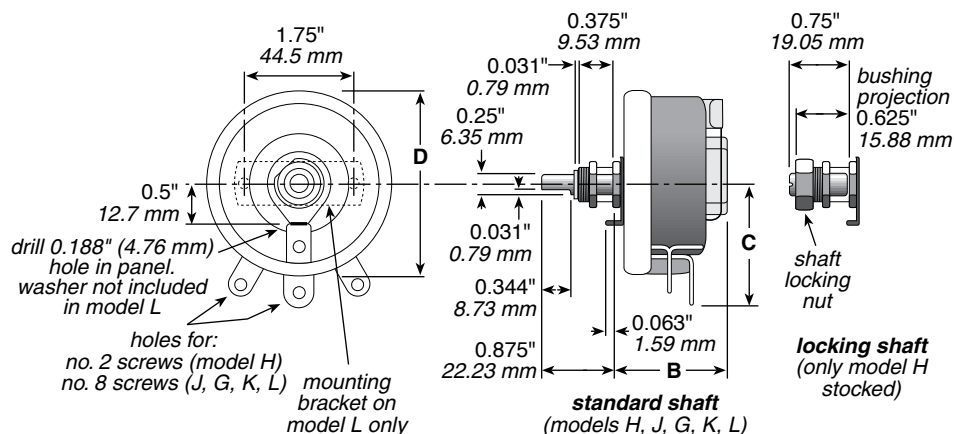
(Potentiometers) Wirewound

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 3/8-32 bushing and hex nut (3/32" thick) (or with 10-32 x 0.75 flat-head screws for model L only).

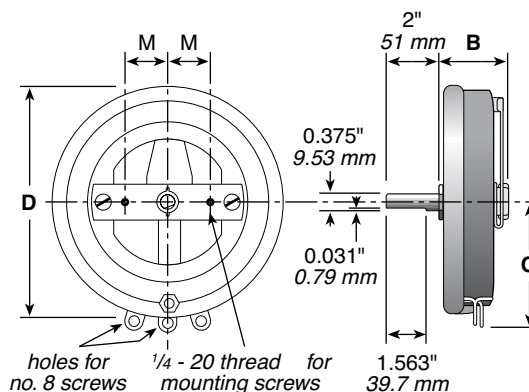
MODELS P, N, R, U

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.

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 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
		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	✓	✓	2.04	✓	✓	✓	✓	✓	✓	✓
4 — 4R0					✓	✓	✓	1.25	✓	✓	1.77	✓	✓	✓	✓	✓	✓	✓
5 — 5R0					✓	✓	✓	1.12	✓	✓	1.58	✓	✓	✓	✓	✓	✓	✓
6 — 6R0					✓	✓	✓	0.91	✓	✓	1.29	✓	✓	✓	✓	✓	✓	✓
7.5 — 7R5					✓	✓	✓	0.71	✓	✓	1.00	✓	✓	✓	✓	✓	✓	✓
8 — 8R0		✓	✓	0.86	✓	✓	✓	0.71	✓	✓	0.845	✓	✓	✓	✓	✓	✓	✓
10 — 10R		✓	✓	0.71	✓	✓	✓	0.60	✓	✓	0.630	✓	✓	✓	✓	✓	✓	✓
12 — 12R		✓	✓	0.55	✓	✓	✓	0.50	✓	✓	0.575	✓	✓	✓	✓	✓	✓	✓
12.5 — 12R5		✓	✓	0.46	✓	✓	✓	0.40	✓	✓	0.445	✓	✓	✓	✓	✓	✓	✓
15 — 15R		✓	✓	0.39	✓	✓	✓	0.36	✓	✓	0.375	✓	✓	✓	✓	✓	✓	✓
16 — 16R		✓	✓	0.32	✓	✓	✓	0.32	✓	✓	0.316	✓	✓	✓	✓	✓	✓	✓
22 — 22R		✓	✓	0.27	✓	✓	✓	0.29	✓	✓	0.25	✓	✓	✓	✓	✓	✓	✓
25 — 25R		✓	✓	0.22	✓	✓	✓	0.22	✓	✓	0.222	✓	✓	✓	✓	✓	✓	✓
35 — 35R		✓	✓	0.19	✓	✓	✓	0.19	✓	✓	0.182	✓	✓	✓	✓	✓	✓	✓
40 — 40R		✓	✓	0.17	✓	✓	✓	0.16	✓	✓	0.155	✓	✓	✓	✓	✓	✓	✓
50 — 50R		✓	✓	0.15	✓	✓	✓	0.13	✓	✓	0.129	✓	✓	✓	✓	✓	✓	✓
75 — 75R		✓	✓	0.12	✓	✓	✓	0.10	✓	✓	0.100	✓	✓	✓	✓	✓	✓	✓
80 — 80R		✓	✓	0.10	✓	✓	✓	0.090	✓	✓	0.090	✓	✓	✓	✓	✓	✓	✓
100 — 100R		✓	✓	0.086	✓	✓	✓	0.070	✓	✓	0.070	✓	✓	✓	✓	✓	✓	✓
125 — 125R		✓	✓	0.071	✓	✓	✓	0.050	✓	✓	0.050	✓	✓	✓	✓	✓	✓	✓
150 — 150R		✓	✓	0.055	✓	✓	✓	0.041	✓	✓	0.041	✓	✓	✓	✓	✓	✓	✓
160 — 160R		✓	✓	0.046	✓	✓	✓	0.035	✓	✓	0.035	✓	✓	✓	✓	✓	✓	✓
175 — 175R		✓	✓	0.039	✓	✓	✓	0.031	✓	✓	0.031	✓	✓	✓	✓	✓	✓	✓
200 — 200R		✓	✓	0.035	✓	✓	✓	0.029	✓	✓	0.029	✓	✓	✓	✓	✓	✓	✓
225 — 225R		✓	✓	0.032	✓	✓	✓	0.025	✓	✓	0.025	✓	✓	✓	✓	✓	✓	✓
250 — 250R		✓	✓	0.027	✓	✓	✓	0.022	✓	✓	0.022	✓	✓	✓	✓	✓	✓	✓
300 — 300R		✓	✓	0.022	✓	✓	✓	0.019	✓	✓	0.019	✓	✓	✓	✓	✓	✓	✓
325 — 325R		✓	✓	0.019	✓	✓	✓	0.016	✓	✓	0.016	✓	✓	✓	✓	✓	✓	✓
350 — 350R		✓	✓	0.017	✓	✓	✓	0.014	✓	✓	0.014	✓	✓	✓	✓	✓	✓	✓
400 — 400R		✓	✓	0.015	✓	✓	✓	0.012	✓	✓	0.012	✓	✓	✓	✓	✓	✓	✓
500 — 500R		✓	✓	0.012	✓	✓	✓	0.010	✓	✓	0.010	✓	✓	✓	✓	✓	✓	✓
600 — 600R		✓	✓	0.010	✓	✓	✓	0.0090	✓	✓	0.0090	✓	✓	✓	✓	✓	✓	✓
700 — 700R		✓	✓	0.0086	✓	✓	✓	0.0070	✓	✓	0.0070	✓	✓	✓	✓	✓	✓	✓
750 — 750R		✓	✓	0.0086	✓	✓	✓	0.0070	✓	✓	0.0070	✓	✓	✓	✓	✓	✓	✓
800 — 800R		✓	✓	0.0086	✓	✓	✓	0.0070	✓	✓	0.0070	✓	✓	✓	✓	✓	✓	✓
900 — 900R		✓	✓	0.0086	✓	✓	✓	0.0070	✓	✓	0.0070	✓	✓	✓	✓	✓	✓	✓
1000 — 1K0		✓	✓	0.0086	✓	✓	✓	0.0070	✓	✓	0.0070	✓	✓	✓	✓	✓	✓	✓
1200 — 1K2		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	0.0050	✓	✓	✓	✓	✓	✓	✓
1250 — 1K25		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	0.0050	✓	✓	✓	✓	✓	✓	✓
1500 — 1K5		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	0.0050	✓	✓	✓	✓	✓	✓	✓
1600 — 1K6		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	0.0050	✓	✓	✓	✓	✓	✓	✓
1750 — 1K75		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	0.0050	✓	✓	✓	✓	✓	✓	✓
1800 — 1K8		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	0.0050	✓	✓	✓	✓	✓	✓	✓
2000 — 2K0		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	0.0050	✓	✓	✓	✓	✓	✓	✓
2250 — 2K25		✓	✓	0.0071	✓	✓	✓	0.0050	✓	✓	0.0050	✓	✓	✓	✓	✓	✓	✓
2500 — 2K5		✓	✓	0.0055	✓	✓	✓	0.0041	✓	✓	0.0041	✓	✓	✓	✓	✓	✓	✓
3000 — 3K0		✓	✓	0.0046	✓	✓	✓	0.0035	✓	✓	0.0035	✓	✓	✓	✓	✓	✓	✓
3500 — 3K5		✓	✓	0.0046	✓	✓	✓	0.0031	✓	✓	0.0031	✓	✓	✓	✓	✓	✓	✓
4500 — 4K5		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
5000 — 5K0		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
7500 — 7K5		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
8000 — 8K0		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
10000 — 10K		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
12500 — 12K5		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
15000 — 15K		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
20000 — 20K		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
25000 — 25K		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
30000 — 30K		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
40000 — 40K		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓
50000 — 50K		✓	✓	0.0039	✓	✓	✓	0.0029	✓	✓	0.0029	✓	✓	✓	✓	✓	✓	✓

✓ = 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

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

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](#)