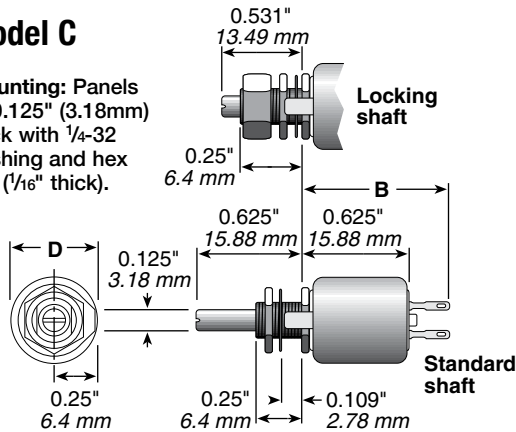


Rheostats

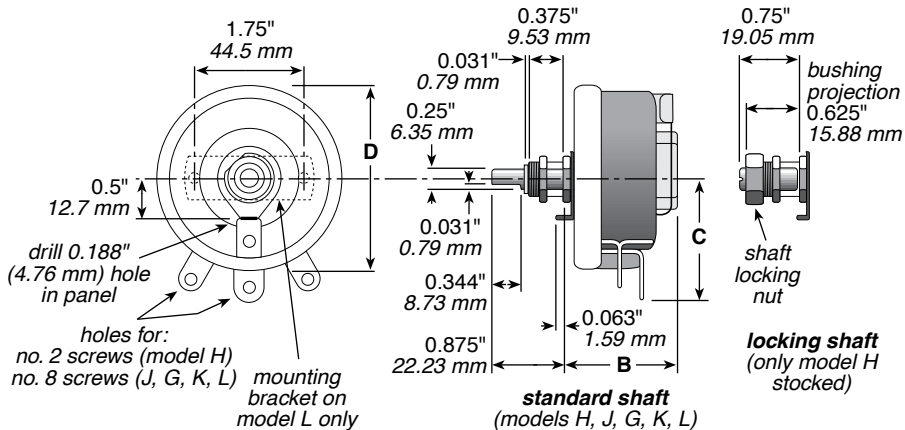
(Potentiometers) Wirewound

Model C

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



Models H, J, G, K, L



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).

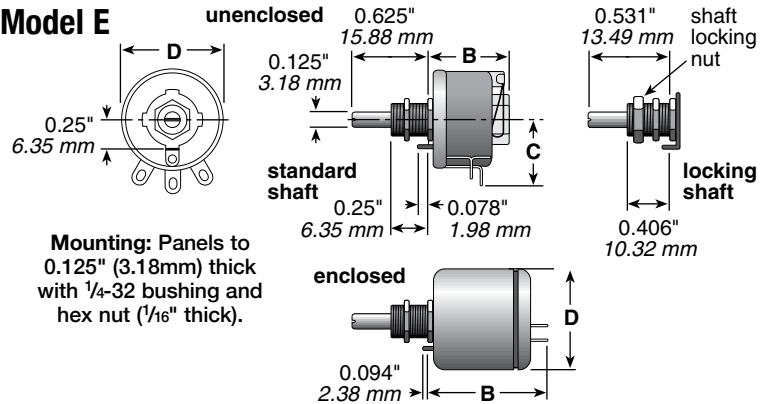
Dimensions for reference only; consult factory for details.

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.

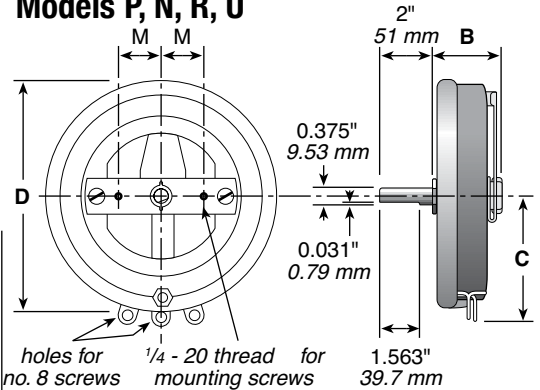
All rheostats are 10% tolerance.

Model E



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

Models P, N, R, U



ORDERING INFORMATION

Series					E = RoHS compliant	
Rheostats Wirewound Potentiometers						
R C S R 5 0 E						
Code	Watts	Model	Shaft	Core	Resistance Value*	
CL =	7.5	C	Locking	Enclosed	Example:	
CS =	7.5	C	Standard	Enclosed	R50 = 0.50Ω	
EE =	12.5	E	Standard	Enclosed	1R0 = 1Ω	
EL =	12.5	E	Locking	Open	7R5 = 7.5Ω	
ES =	12.5	E	Standard	Open	250 = 250Ω	
GS =	75	G	Standard	Open	1K0 = 1,000Ω	
HL =	25	H	Locking	Open	1K75 = 1,750Ω	
HS =	25	H	Standard	Open	4K5 = 4,500Ω	
JS =	50	J	Standard	Open	50K = 50,000Ω	
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		

*Check Table for Standard Resistance Values and Maximum Current Values

See page 93 for knobs, dials, and other hardware

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°
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°
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°
C	RCS/RCL	7.5	10.0-5K	enclosed	305	0.875/22.23	0.515/ 13.08	—	0.25-3 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°

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

• See Catalog #203 for complete details.

• 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.

STANDARD PART NUMBERS FOR RHEOSTATS

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	Amps max.	RGS	Amps max.	RKS	Amps max.	RLS	Amps max.	RPS	Amps max.	RNS	Amps max.	RRS	Amps max.	RUS
0.5 —R50											✓ 10.0	✓ 12.3	✓ 14.1	✓ 17.3			✓ 17.3		✓ 15.0		✓ 17.32		✓ 22.3		✓ 31.6	
1 —1R0					✓	✓	✓ 3.53	✓	✓	5.00	✓ 7.07	✓ 8.66	✓ 10	✓ 12.3			✓ 12.3		✓ 15.0		✓ 17.32		✓ 22.3		✓ 31.6	
1.5 —1R5																						✓ 18.2		✓ 25.8		
2 —2R0					✓	✓	✓ 2.50	✓	✓	3.54	✓ 5.00	✓ 6.12	✓ 7.07	✓ 8.65			✓ 8.65		✓ 10.6		✓ 12.24		✓ 15.8		✓ 22.4	
2.5 —2R5					✓	✓	✓ 2.24															✓ 14.1		✓ 20.0		
3 —3R0					✓	✓	✓ 2.04	✓	✓	2.88		✓ 5.00	✓ 5.75	✓ 7.07	✓ 8.66	✓ 10.00	✓ 12.9	✓ 18.3	✓ 8.66	✓ 10.00	✓ 12.9	✓ 18.3	✓ 11.2	✓ 15.8		
4 —4R0											✓ 3.53				✓ 7.50	✓ 8.66	✓ 11.2	✓ 15.8	✓ 6.71	✓ 7.75	✓ 10.0	✓ 14.1				
5 —5R0					✓	✓	✓ 1.58					✓ 3.88	✓ 4.47	✓ 5.48												
6 —6R0					✓	✓	✓ 1.44	✓	✓	2.04	✓ 2.88															
7.5 —7R5												✓ 3.16	✓ 3.65	✓ 4.47	✓ 5.49	✓ 6.32										
8 —8R0					✓	✓	✓ 1.25	✓	✓	1.77	✓ 2.50											✓ 7.90		✓ 11.2		
10 —10R	✓	✓	0.86		✓	✓	✓ 1.12	✓	✓	1.58		✓ 2.74	✓ 3.16	✓ 3.88	✓ 4.74	✓ 5.48			✓ 4.74	✓ 5.48				✓ 10.0		
12 —12R											✓ 2.04															
12.5 —12R5																						✓ 6.30		✓ 8.95		
15 —15R	✓	✓	0.71		✓	✓	✓ 0.91	✓	✓	1.29							✓ 3.163	✓ 3.87	✓ 4.47							
16 —16R											✓ 1.76	✓ 2.17	✓ 2.50									✓ 5.60		✓ 7.90		
22 —22R											✓ 1.50															
25 —25R	✓	✓	0.55		✓	✓	✓ 0.71	✓	✓	1.00		✓ 1.73	✓ 2.0	✓ 2.450	✓ 3.00	✓ 3.46			✓ 3.00	✓ 3.46		✓ 4.47		✓ 6.33		
35 —35R	✓	✓	0.46		✓	✓	✓ 0.60	✓	✓	0.845	✓ 1.19			✓ 2.070												
40 —40R																						✓ 3.54				
50 —50R	✓	✓	0.39		✓	✓	✓ 0.50	✓	✓	0.707	✓ 1.00	✓ 1.23	✓ 1.41	✓ 1.735	✓ 2.12	✓ 2.45	✓ 3.16	✓ 4.47	✓ 2.12	✓ 2.45	✓ 3.16	✓ 4.47				
75 —75R	✓	✓	0.32		✓	✓	✓ 0.40	✓	✓	0.575		✓ 1.00	✓ 1.15	✓ 1.415	✓ 1.73	✓ 2.00	✓ 3.65	✓ 4.47	✓ 1.73	✓ 2.00						
80 —80R											✓ 0.790											✓ 2.52				
100 —100	✓	✓	0.27		✓	✓	✓ 0.36	✓	✓	0.500		✓ 0.866	✓ 1.00	✓ 1.225	✓ 1.50	✓ 1.73	✓ 3.16	✓ 4.47	✓ 1.50	✓ 1.73						
125 —125					✓	✓	✓ 0.32	✓	✓	0.445	✓ 0.630											✓ 2.00				
150 —150	✓	✓	0.22		✓	✓	✓ 0.29				✓ 0.575			✓ 1.000	✓ 1.22	✓ 1.41			✓ 1.22	✓ 1.41						
160 —160																										
175 —175					✓	✓	✓ 0.27	✓	✓	0.375												✓ 1.69		✓ 2.39		
200 —200	✓	✓	0.19		✓	✓	✓ 0.25					✓ 0.612	✓ 0.707	✓ 0.865	✓ 1.06	✓ 1.22			✓ 1.06	✓ 1.22						
225 —225											✓ 0.470												✓ 2.11			
250 —250	✓	✓	0.17		✓	✓	✓ 0.22	✓	✓	0.316		✓ 0.408	✓ 0.500	✓ 0.575					✓ 0.866	✓ 1.00		✓ 1.41		✓ 1.83		
300 —300											✓ 0.408								✓ 0.866	✓ 1.00						
325 —325																						✓ 1.24				
350 —350	✓	✓	0.15		✓	✓	✓ 0.19	✓	✓	0.267				✓ 0.655	✓ 0.750	✓ 0.866			✓ 0.750	✓ 0.866						
400 —400												✓ 0.433	✓ 0.500											✓ 1.48		
500 —500	✓	✓	0.12		✓	✓	✓ 0.16	✓	✓	0.222	✓ 0.316	✓ 0.388	✓ 0.447	✓ 0.548								✓ 1.00		✓ 1.41		
600 —600																										
700 —700																			✓ 0.567	✓ 0.655						
750 —750	✓	✓	0.10		✓	✓	✓ 0.13	✓	✓	0.182		✓ 0.316	✓ 0.365	✓ 0.447					✓ 0.567	✓ 0.655		✓ 0.817		✓ 1.15		
800 —800											✓ 0.250															
900 —900																			✓ 0.500	✓ 0.578						
1000 —1K0	✓	✓	0.086		✓	✓	✓ 0.10	✓	✓	0.155	✓ 0.224	✓ 0.274	✓ 0.316						✓ 0.433	✓ 0.500		✓ 0.707		✓ 1.00		
1200 —1K2																										
1250 —1K25																	✓ 0.346									
1500 —1K5	✓	✓	0.071		✓	✓	✓ 0.090	✓	✓	0.129		✓ 0.224	✓ 0.258						✓ 0.387	✓ 0.447		✓ 0.577		✓ 0.816		
1600 —1K6											✓ 0.176															
1750 —1K75																			✓ 0.358	✓ 0.414						
1800 —1K8																										
2000 —2K0												✓ 0.194	✓ 0.224						✓ 0.336	✓ 0.387		✓ 0.500				
2250 —2K25																	✓ 0.259									
2500 —2K5	✓	✓	0.055		✓	✓	✓ 0.070	✓	✓	0.100	✓ 0.141	✓ 0.173	✓ 0.200						✓ 0.300	✓ 0.346		✓ 0.447		✓ 0.633		
3000 —3K0																	✓ 0.224									
3500 —3K5	✓	✓	0.046		✓	✓	✓ 0.060	✓	✓	0.084	✓ 0.119															
4500 —4K5																	✓ 0.182									
5000 —5K0	✓	✓	0.039		✓	✓	✓ 0.050	✓	✓	0.070	✓ 0.100	✓ 0.123	✓ 0.141													
7500 —7K5					✓	✓	✓ 0.041	✓	✓	0.058		✓ 0.100	✓ 0.115	✓ 0.141												
8000 —8K0											✓ 0.079															
10000 —10K					✓	✓	✓ 0.035	✓	✓	0.050	✓ 0.070	✓ 0.087	✓ 0.100	✓ 0.122												
12500 —12K5					✓	✓	✓ 0.031																			
15000 —15K					✓	✓	✓ 0.029	✓	✓	0.041	✓ 0.058															
20000 —20K								✓	✓	0.035	✓ 0.050															
25000 —25K								✓	✓	0.032	✓ 0.045															
30000 —30K											✓ 0.041															
40000 —40K																										

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

Check product availability at
www.ohmite.com