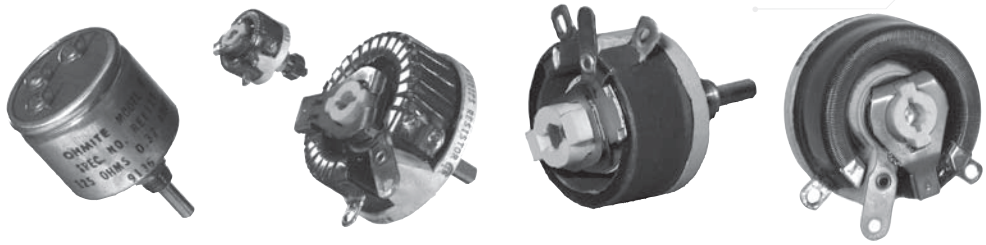
Rheostats

(Potentiometers) Wirewound



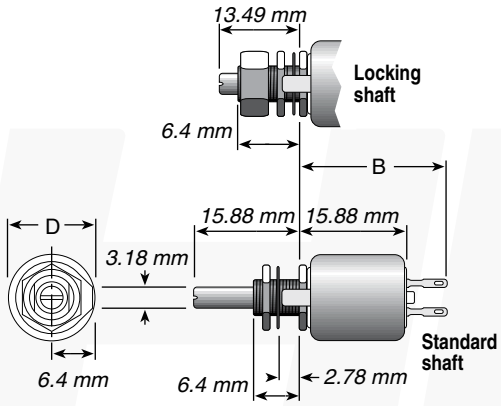
MODEL C

mm/(in.)

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

• See Catalog #203 for complete details.

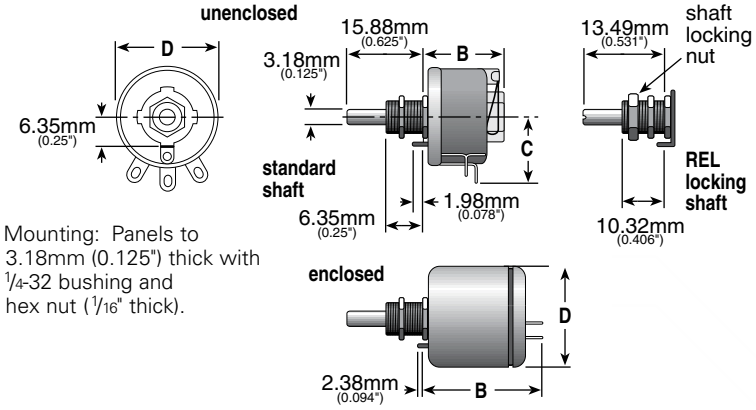
Mounting: Panels to 3.18mm thick with 1/4-32 bushing and hex nut 1/16" thick



MODEL E

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

• See Catalog #203 for complete details.



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

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.

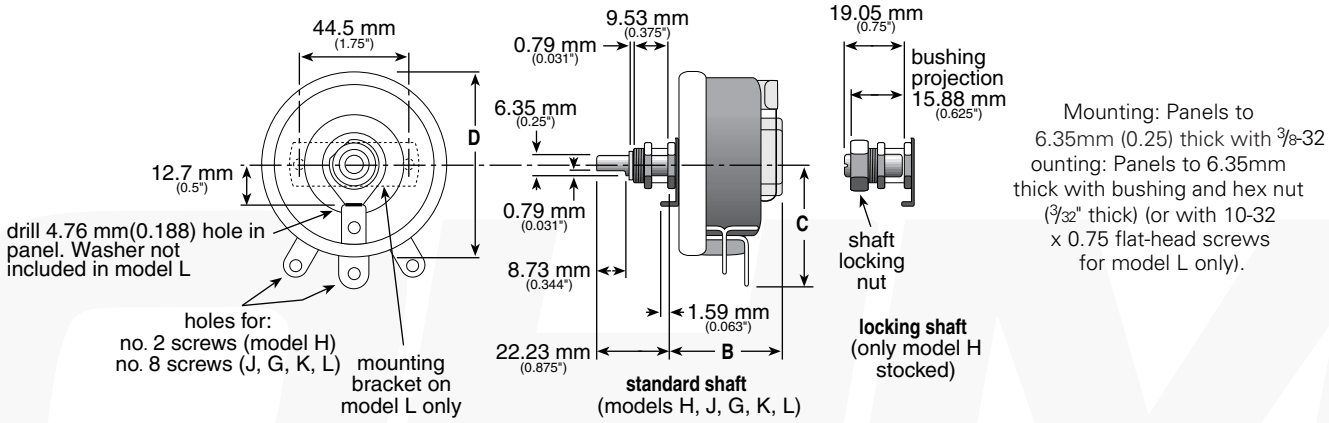
Rheostats

(Potentiometers) Wirewound

MODELS H, J, G, K, L

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

- Models H, J, G, and K also available in enclosed versions.
- See Catalog #203 for complete details.



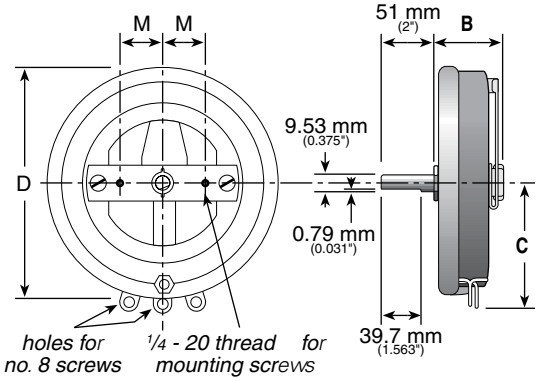
MODELS P, N, R, U

Model	Type	Watts	Ohmic range	Core	Max. Voltage (RMS)*	Behind panel "B" (mm./in Ref.)	Diameter "D" (mm./in Ref.)	Dimension "C" (mm./in Ref.)	Shaft torque	Rotation (±5°)
P	RPS	225	1.0-30K	open	1300	53.98/2.125	127.00/5.00	75.44/2.97	2.5-4 lb. in.	310°
N	RNS	300	1.0-50K	open	1225	60.33/2.375	152.40/6.00	87.38/3.44	2.5-5 lb. in.	320°
R	RRS	500	1.0-20K	open	1450	53.98/2.125	203.20/8.00	106.47/4.31	4.5-7 lb. in.	325°
U	RUS	1000	1.0-20K	open	1600	76.2/3.000	304.80/12.00	162.05/6.38	3.5-7 lb. in.	335°

- See Catalog #203 for complete details.

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

Mounting: Panels to 31.75mm (1.25) thick 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	Enclosed
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

R C S R 5 0 E

E = RoHS compliant

*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: Std. shaft RCS	7.5W Model C: Locking RCL	7.5W Model C: Amps max.	12.5W Model E: Std. shaft RES	12.5W Model E: Locking REL	12.5W Model E: Enclosed REE	12.5W Model E: Amps max.	25W Model H: Std. shaft RHS	25W Model H: Locking RHL	25W Model H: Amps max.	50W Model J RJS	50W Model J: Amps max.	75W Model G RGS	75W Model G: Amps max.	100W Model K RKS	100W Model K: Amps max.	150W Model L RLS	150W Model L: Amps max.	225W Model P RPS	225W Model P: Amps max.	300W Model N RNS	300W Model N: Amps max.	500W Model R RRS	500W Model R: Amps max.	1000W Model U RUS	1000W Model U: Amps max.
0.5	R50											✓	10.0	✓	12.3	✓	14.1	✓	17.3								
1	1R0				✓	✓	✓	3.53	✓	✓	5.00	✓	7.07	✓	8.66	✓	10	✓	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	✓	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
4	4R0											✓	3.53								7.50	✓	8.66	✓	11.2	✓	15.8
5	5R0				✓	✓	✓	1.58						✓	3.88	✓	4.47	✓	5.48	✓	6.71	✓	7.75	✓	10.0	✓	14.1
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				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	✓	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
75	75R	✓	✓	0.32	✓	✓	✓	0.40	✓	✓	0.575			✓	1.00	✓	1.15	✓	1.415	✓	1.73	✓	2.00			✓	3.65
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
125	125				✓	✓	✓	0.32	✓	✓	0.445	✓	0.630											✓	2.00		
150	150	✓	✓	0.22				0.29				✓	0.575					✓	1.000	✓	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				
225	225											✓	0.470													✓	2.11
250	250	✓	✓	0.17	✓	✓	✓	0.22	✓	✓	0.316							✓	0.775					✓	1.41		
300	300											✓	0.408	✓	0.500	✓	0.575			✓	0.866	✓	1.00			✓	1.83
325	325																							✓	1.24		
350	350	✓	✓	0.15	✓	✓	✓	0.19	✓	✓	0.267							✓	0.655								
400	400													✓	0.433	✓	0.500			✓	0.750	✓	0.866			✓	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					✓	0.817	✓	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							✓	0.707	✓	1.00
1200	1K2																			✓	0.433	✓	0.500				
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																	✓	0.288								
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											✓	0.035														
50000	50K											✓	0.032														

✓ = 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