

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°

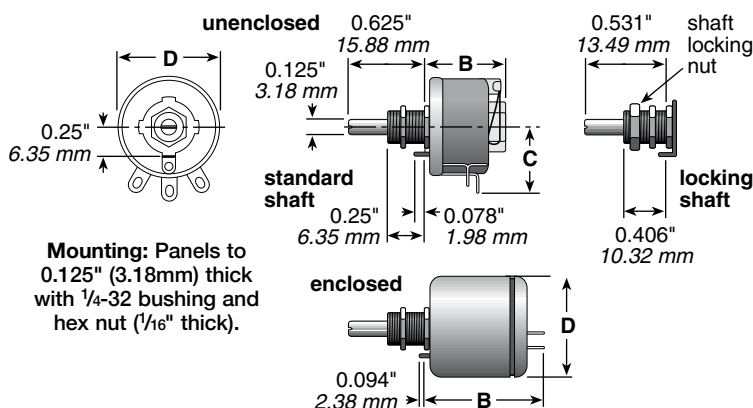
* See Catalog #203 for complete details.



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.



(continued)

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(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	Amps max.	RGS	Amps max.	RKS	Amps max.	RLS	Amps max.	RPS	Amps max.	RNS	Amps max.	RRS	Amps max.	RUS	Amps max.				
0.5 —R50					✓	✓	✓	3.53	✓	✓	5.00	✓	10.0	✓	12.3	✓	14.1	✓	17.3	✓	15.0	✓	17.32	✓	22.3	✓	31.6				
1 —1R0												✓	7.07	✓	8.66	✓	10	✓	12.3				✓	18.2	✓	25.8					
1.5 —1R5																							✓	15.8	✓	22.4					
2 —2R0					✓	✓	✓	2.50	✓	✓	3.54	✓	5.00	✓	6.12	✓	7.07	✓	8.65	✓	10.6	✓	12.24	✓	14.1	✓	20.0				
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											✓	6.30	✓	8.95				
12.5 —12R5																		✓	3.163	✓	3.87	✓	4.47								
15 —15R		✓	✓	0.71	✓	✓	✓	0.91	✓	✓	1.29													✓	6.30	✓	8.95				
16 —16R												✓	1.76											✓	5.60	✓	7.90				
22 —22R												✓	1.50			✓	2.17	✓	2.50												
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	✓	2.52	✓	3.65			
80 —80R												✓	0.790												✓	2.52	✓	3.16			
100 —100R		✓	✓	0.27	✓	✓	✓	0.36	✓	✓	0.500				✓	0.866	✓	1.00	✓	1.225	✓	1.50	✓	1.73							
125 —125R					✓	✓	✓	0.32	✓	✓	0.445	✓	0.630											✓	2.00						
150 —150R		✓	✓	0.22	✓	✓	✓	0.29				✓	0.575					✓	1.000	✓	1.22	✓	1.41								
160 —160R																															
175 —175R					✓	✓	✓	0.27	✓	✓	0.375														✓	1.69	✓	2.39			
200 —200R		✓	✓	0.19	✓	✓	✓	0.25							✓	0.612	✓	0.707	✓	0.865	✓	1.06	✓	1.22				✓	2.11		
225 —225R												✓	0.470																		
250 —250R		✓	✓	0.17	✓	✓	✓	0.22	✓	✓	0.316			✓	0.500	✓	0.575	✓	0.775					✓	1.41	✓	1.83				
300 —300R												✓	0.408											✓	1.00	✓	1.41				
325 —325R																								✓	1.24						
350 —350R		✓	✓	0.15	✓	✓	✓	0.19	✓	✓	0.267								✓	0.655											
400 —400R																✓	0.433	✓	0.500				✓	0.750	✓	0.866	✓	1.48			
500 —500R		✓	✓	0.12	✓	✓	✓	0.16	✓	✓	0.222	✓	0.316	✓	0.388	✓	0.447	✓	0.548						✓	1.00	✓	1.41			
600 —600R																															
700 —700R																															
750 —750R		✓	✓	0.10	✓	✓	✓	0.13	✓	✓	0.182				✓	0.316	✓	0.365	✓	0.447				✓	0.567	✓	0.655	✓	0.817	✓	1.15
800 —800R												✓	0.250																		
900 —900R																															
1000 —1K0		✓	✓	0.086	✓	✓	✓	0.10	✓	✓	0.155	✓	0.224	✓	0.274	✓	0.316			✓	0.500	✓	0.578	✓	0.707	✓	1.00				
1200 —1K2																															
1250 —1K25																			✓	0.346				✓	0.500						
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																															
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														
3000 —3K0												✓	0.119																		
3500 —3K5		✓	✓	0.046	✓	✓	✓	0.060	✓	✓	0.084	✓																			
4500 —4K5																															
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																		

Данный компонент на территории Российской Федерации

Вы можете приобрести в компании MosChip.

Для оперативного оформления запроса Вам необходимо перейти по данной ссылке:

<http://moschip.ru/get-element>

Вы можете разместить у нас заказ для любого Вашего проекта, будь то серийное производство или разработка единичного прибора.

В нашем ассортименте представлены ведущие мировые производители активных и пассивных электронных компонентов.

Нашей специализацией является поставка электронной компонентной базы двойного назначения, продукции таких производителей как XILINX, Intel (ex.ALTERA), Vicor, Microchip, Texas Instruments, Analog Devices, Mini-Circuits, Amphenol, Glenair.

Сотрудничество с глобальными дистрибьюторами электронных компонентов, предоставляет возможность заказывать и получать с международных складов практически любой перечень компонентов в оптимальные для Вас сроки.

На всех этапах разработки и производства наши партнеры могут получить квалифицированную поддержку опытных инженеров.

Система менеджмента качества компании отвечает требованиям в соответствии с ГОСТ Р ИСО 9001, ГОСТ РВ 0015-002 и ЭС РД 009

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