

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

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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. 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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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		
		Std. shaft RCS	Locking RCL	Amps max.	Std. shaft RES	Locking REL	Enclosed REE	Amps max.	Std. shaft RHS	Locking RHL	Amps max.	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					✓	✓	✓	3.53	✓	✓	5.00	✓ 10.0 7.07	✓ 12.3 8.66	✓ 14.1 10	✓ 17.3 12.3	✓ 15.0	✓ 17.32	✓ 22.3 18.2	✓ 31.6 25.8	
1 —1R0					✓	✓	✓	2.50	✓	✓	3.54	✓ 5.00	✓ 6.12	✓ 7.07	✓ 8.65	✓ 10.6	✓ 12.24	✓ 15.8 14.1	✓ 22.4 20.0	
1.5 —1R5								2.24												
2 —2R0					✓	✓	✓	2.50	✓	✓	3.54	✓ 5.00	✓ 6.12	✓ 7.07	✓ 8.65	✓ 10.6	✓ 12.24	✓ 15.8 14.1	✓ 22.4 20.0	
2.5 —2R5					✓	✓	✓	2.24	✓	✓										
3 —3R0					✓	✓	✓	2.04	✓	✓	2.88	✓ 3.53	✓ 5.00	✓ 5.75	✓ 7.07	✓ 8.66 7.50	✓ 10.00 8.66	✓ 12.9 11.2	✓ 18.3 15.8	
4 —4R0					✓	✓	✓					✓ 3.53	✓ 3.88	✓ 4.47	✓ 5.48	✓ 6.71 7.75	✓ 7.75 10.0	✓ 10.0 14.1		
5 —5R0					✓	✓	✓	1.58												
6 —6R0					✓	✓	✓	1.44	✓	✓	2.04	✓ 2.88	✓ 3.16	✓ 3.65	✓ 4.47	✓ 5.49	✓ 6.32			
7.5 —7R5																				
8 —8R0					✓	✓	✓	1.25	✓	✓	1.77	✓ 2.50	✓ 2.74	✓ 3.16	✓ 3.88	✓ 4.74	✓ 5.48	✓ 7.90	✓ 11.2 10.0	
10 —10R		✓	✓	0.86	✓	✓	✓	1.12	✓	✓	1.58	✓ 2.04								
12 —12R																				
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 1.50	✓ 2.17	✓ 2.50				✓ 5.60	✓ 7.90	
22 —22R																				
25 —25R		✓	✓	0.55	✓	✓	✓	0.71	✓	✓	1.00	✓ 1.19	✓ 1.73	✓ 2.0	✓ 2.450 2.070	✓ 3.00	✓ 3.46	✓ 4.47	✓ 6.33	
35 —35R		✓	✓	0.46	✓	✓	✓	0.60	✓	✓	0.845							✓ 3.54		
40 —40R																		✓ 3.16	✓ 4.47	
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	✓ 0.790	✓ 1.00	✓ 1.15	✓ 1.415	✓ 1.73	✓ 2.00	✓ 2.52	✓ 3.65	
80 —80R																				
100 —100		✓	✓	0.27	✓	✓	✓	0.36	✓	✓	0.500	✓ 0.630	✓ 0.866	✓ 1.00	✓ 1.225	✓ 1.50	✓ 1.73	✓ 2.00	✓ 3.16	
125 —125					✓	✓	✓	0.32	✓	✓	0.445	✓ 0.575								
150 —150		✓	✓	0.22	✓	✓	✓	0.29							✓ 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		✓ 2.11	
225 —225												✓ 0.470								
250 —250		✓	✓	0.17	✓	✓	✓	0.22	✓	✓	0.316	✓ 0.408	✓ 0.500	✓ 0.575	✓ 0.775	✓ 0.866	✓ 1.00	✓ 1.41	✓ 1.83	
300 —300																		✓ 1.24		
325 —325																				
350 —350		✓	✓	0.15	✓	✓	✓	0.19	✓	✓	0.267				✓ 0.655					
400 —400													✓ 0.433	✓ 0.500	✓ 0.548	✓ 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																				
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																				
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																				
1500 —1K5		✓	✓	0.071	✓	✓	✓	0.090	✓	✓	0.129		✓ 0.224	✓ 0.258	✓ 0.346	✓ 0.387	✓ 0.447	✓ 0.577	✓ 0.816	
1600 —1K6												✓ 0.176								
1750 —1K75																				
1800 —1K8																				
2000 —2K0													✓ 0.194	✓ 0.224	✓ 0.288	✓ 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																				
3500 —3K5		✓	✓	0.046	✓	✓	✓	0.060	✓	✓	0.084	✓ 0.119			✓ 0.224					
4500 —4K5																				
5000 —5K0		✓	✓	0.039	✓	✓	✓	0.050	✓	✓	0.070	✓ 0.100	✓ 0.123	✓ 0.141		✓ = 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				
7500 —7K5					✓	✓	✓	0.041	✓	✓	0.058	✓ 0.079	✓ 0.100	✓ 0.115	✓ 0.141					
8000 —8K0												✓ 0.070								
10000 —10K					✓	✓	✓	0.035	✓	✓	0.050	✓ 0.058	✓ 0.087	✓ 0.100	✓ 0.122					
12500 —12K5					✓	✓	✓	0.031												
15000 —15K					✓	✓	✓	0.029	✓	✓	0.041	✓ 0.058								
20000 —20K					✓	✓	✓	0.035	✓	✓	0.050	✓ 0.050								
25000 —25K					✓	✓	✓	0.032	✓	✓	0.045	✓ 0.045								
30000 —30K											✓ 0.041	✓ 0.041								
40000 —40K											✓ 0.035	✓ 0.035								
50000 —50K											✓ 0.032	✓ 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

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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