

Voltronics, Inc - Precision Potentiometers				Fax: 312-625-1179	Phone: 312-625-1179
ELECTRICAL SPECIFICATIONS	C-200	C-158	C-1437	C-1062	C-078
Resistance, Range, STD. Ohms	30-100K	100-100K	100-100K	15-50K	15-50K
Resistance Range, MAX. Ohms	1 Megohm	500K	200K	150K	100K
Resistance Tolerances, STD.	5%	5%	5%	5%	5%
Resistance Tolerance, MIN. Practical	1%	1%	1%	1%	1%
Linearity (independent)	.5%	.5%	.5%	.5%	.5%
Linearity, MIN. Practical	.2%	.2%	.2%	.3%	.3%
Power Rating, Watts. STD.	4W	3W	3W	2W	2W
Power Rating, Watts MAX.	8W	6W	4W	3W	2W
Dielectric Strength	1000V	1000V	1000V	750V	600V
Electrical Travel, STD.	320° ± 3°	320° ± 3°	320° ± 3°	320° ± 3°	320° ± 3°
Electrical Trave, MAX.	357° ± 2°	357° ± 2°	357° ± 2°	354° ± 2°	354° ± 2°
Noise, MAX. Ohms	80	80	80	80	80
Temperature Coefficient (ppm/°C)	20	20	20	20	20
Insulation Resistance, Megohm	1000	1000	1000	1000	750
MECHANICAL SPECIFICATIONS	C-200	C-158	C-1437	C-1062	C-078
Mountings Available	Bushing, Servo, Screw	Bushing, Servo, Screw	Bushing, Servo, Screw	Bushing, Servo, Screw	Bushing, Servo, Screw
Mechanical Travel	360° (Cont.)	360° (Cont.)	360° (Cont.)	360° (Cont.)	360° (Cont.)
Taps Available, MAX	40	2	1	1	1
Starting Torque, Ball	.2 oz/in.	.2 oz/in.	.2 oz/in.	.2 oz/in.	.2 oz/in.
Sleeve	.5 oz/in.	.5 oz/in.	.5 oz/in.	.5 oz/in.	.5 oz/in.
Running Torque, Ball	.2 oz/in.	.2 oz/in.	.2 oz/in.	.2 oz/in.	.2 oz/in.
Sleeve	.3 oz/in.	.3 oz/in.	.3 oz/in.	.3 oz/in.	.3 oz/in.
Ambient Temperature Range, C°	-55 to 105	-55 to 105	-55 to 105	-55 to 105	-55 to 105
Life Expectancy, (Rotations) STD.	1,000,000	1,000,000	1,000,000	50,000	50,000
Life Expectancy, (Rotations) MAX.	20,000,000	20,000,000	10,000,000	1,000,000	1,000,000
Dimensions, STD. (Options Available)					
Housing Diameter, O.D.	2.00"	1.655"	1.437"	1.062"	.875"
Shaft Diameter	.250"	.250"	.250"	.250"	.250"
Shaft Length	Optional	Optional	Optional	Optional	Optional
Number if Cups, per Assembled Gang, MAX	12	12	8	6	4
SPECIALS:	For "Customized" units (outside of standatd specs) T-Series units (Translatory or Linear Motion) Measuring Slidewires, Resistance Elements, Non-Linear, Sine-Cosine, etc.				