

Snap-In, PC Mount, and Thumbwheel Potentiometers

• Knobs for rotary potentiometers on this page are found in the electromechanical section.

Potentiometers

A

B

C

ALPHA
9MM PC MOUNT LINEAR TAPER POTENTIOMETERS

Electrical Specifications:

- Rated wattage: 0.05W
- Rated voltage: 50VAC

Mechanical Specifications:

- Rotation angle: 300°±5°
- Rotation torque: 20 to 250g/cm
- Tolerance: ±20%
- Insulation resistance: >100MΩ @ 250VDC
- Breakdown voltage: 300VAC for 1 minute

Values (Ω)
1K, 5K, 10K, 50K, 100K

DIMENSIONS: in. RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Price Each			
		1	10	100	500
311-1901F-Value	A	3.50	2.87	2.66	2.38
311-1902F-Value	B	3.50	2.87	2.66	2.38
311-1903F-Value	C	5.40	4.86	4.32	3.02

ALPHA
9MM SNAP-IN POTENTIOMETERS

Specifications:

- Rated voltage: 50VAC
- Rated wattage: 0.1W
- Tolerance: <1M: ±20%, ≥1M: ±30%
- Rotation angle: 280°±5°
- Rotational life: 10,000 cycles

A

B

Vertical Mount

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2080F-Value	A	Audio	1K, 2K, 5K, 10K	1.11	.93	.87	.79
317-2090F-Value	A	Linear	50K, 100K, 500K, 1M	1.11	.93	.87	.79

Horizontal Mount

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2081F-Value	B	Audio	1K, 2K, 5K, 10K	1.11	.93	.87	.79
317-2091F-Value	B	Linear	50K, 100K, 500K, 1M	1.11	.93	.87	.79

ALPHA
11MM SNAP-IN POTENTIOMETERS

Specifications:

- Rated voltage: 150V linear 100V audio
- Rated wattage: 0.08W linear 0.04W audio
- Tolerance: < 1M ± 20% ≥ 1M ± 30%
- Rotational angle: 300° ± 5°
- Rotational life: 10,000 cycles

A

B

C

DIMENSIONS: mm

Vertical Mount

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Taper	Value (Ω)	Price Each			
				1	10	100	500
317-2200F-Value	A	Linear		2.50	1.67	1.52	1.38
317-2201F-Value	B	Linear	1K, 2K, 5K,	2.69	1.79	1.63	1.49
317-2202F-Value	C	Linear	10K, 50K	2.69	1.79	1.63	1.49
317-2100F-Value	A	Audio	100K, 500K, 1M	2.50	1.67	1.52	1.38
317-2101F-Value	B	Audio		2.69	1.79	1.63	1.49
317-2102F-Value	C	Audio		2.69	1.79	1.63	1.49

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ALPHA
10MM SUBMINIATURE THUMBWHEEL PC MOUNT POTENTIOMETERS

Specifications:

- Power rating: .03W
- Rotation angle: 270° ±5°
- Linear taper
- Complete with knob
- Rotation torque: 10-100g-cm
- Rotation life: 10,000 cycles
- Resistance tolerance: <1M: ±20%, ≥1M: ±30%

DIMENSIONS: in.



RoHS Compliant

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each			
		1	10	100	500
312-1001F-Value	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.33	1.06	.93	.90

ALPHA
12MM MINIATURE THUMBWHEEL POTENTIOMETERS WITH 25mm KNOB

Specifications:

- Resistance tolerance: ±20%
- Switch contact rating: 12VDC-1A

RoHS Compliant

A

B

C

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Stock Values (Ω) Other Values Available on Request	Price Each			
			1	10	100	500
Audio Taper Voltage, max.: 100V Wattage: .04W						
311-1201F-Value	A	1K, 10K, 500K	1.03	.87	.76	.70
311-1202F-Value	B	5K, 10K, 50K, 100K, 500K	1.03	.87	.76	.70
311-1204F-Value	C	1K, 5K, 10K, 50K, 500K	1.15	.92	.84	.75
Linear Taper Voltage, max.: 150V Wattage: .08W						
311-1205F-Value	A	10K	1.03	.87	.76	.70
311-1206F-Value	B	5K, 10K, 100K	1.03	.87	.76	.70

XICON
16MM THUMBWHEEL POTENTIOMETERS

Specifications:

- Rotation Angle: 220 +/- 5
- Insulation Resistance: 100M @ 100VDC
- Tolerance: ±20%
- Rotational Life: 10000 cycles

* Available in linear taper only.

Does not come with a knob. Please choose from the knobs listed below.

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Taper	Switch	Stocked Values	Price Each			
					1	10	100	500
311-1600-Value	A	Linear	N		.97	.82	.74	.67
311-1601-Value	A	Audio	N	100*: 500, 1K, 5K, 10K	.97	.82	.74	.67
311-1700-Value	B	Linear	Y	50K, 100K, 500K, 1M	1.12	.95	.85	.77
311-1701-Value	B	Audio	Y		1.12	.95	.85	.77

epd Vertical Thumbwheel Knobs

esgale plastic devices

For quantities of 10,000 and up, call for quote.

MOUSER STOCK NO.	Mount Numbers	Price Each		
		1	100	1000
450-0009	Left 0-9	.39	.25	.22
450-0010	Left 9-0	.39	.25	.22
450-0011	Right 0-9	.39	.25	.22
450-0012	Right 9-0	.39	.25	.22



XICON
13MM CARBON COMPOSITION

Specifications:

- Resistance tolerance: ±20%
- Wattage rating: 0.1W
- Anti-rotational torque: 3 Kg-cm
- Operational temperature: -10°C to +70°C
- Breakdown voltage: 500V @ 60 seconds
- Rotational life: 5,000 cycles
- Linear taper
- Bushing: M6x0.75

A

DIMENSIONS: in.

PC Mountable
Solder Lugs
Slotted Shaft for Screwdriver Adjustment

For quantities of 1,000 and up, call for quote.

MOUSER STOCK NO.	Value (Ω)	Price Each			
		1	10	100	500
31CX301	1K	3.09	2.71	2.51	2.13
31CX305	5K	3.09	2.71	2.51	2.13
31CX401	10K	3.09	2.71	2.51	2.13
31CX405	50K	3.09	2.71	2.51	2.13
31CX501	100K	3.09	2.71	2.51	2.13
31CX505	500K	3.09	2.71	2.51	2.13

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