

ALPHA 24mm Potentiometers



Mechanical Specifications:

- Total rotation angle 300°±5°
- Rotational torque: 20–200 g-cm
- Carbon composition



RoHS Compliant

Electrical Specifications:

- Rated voltage: Linear taper-1/2W, Audio taper-1/4W
- Rated wattage: Linear taper-500VDC, Audio taper-250VDC
- Insulation resistance: >100MΩ (500VDC)
- Withstanding voltage: 500VAC for 1 minute
- Resistance tolerance: <1M: ±20%, ≥1M: ±30%
- 1/4" shaft diameter

ALPHA SOLDER LUGS

Audio Taper, (.335") Shaft Length *

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VJ301-F	A	1K	1.40	1.12	1.02	.94
31VJ305-F	A	5K	1.40	1.12	1.02	.94
31VJ401-F	A	10K	1.40	1.12	1.02	.94
31VJ405-F	A	50K	1.40	1.12	1.02	.94
31VJ501-F	A	100K	1.40	1.12	1.02	.94
31VJ505-F	A	500K	1.40	1.12	1.02	.94
31VJ601-F	A	1M	1.40	1.12	1.02	.94

Linear Taper, (.335") Shaft Length *

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VA205-F	A	500	1.40	1.12	1.02	.94
31VA301-F	A	1K	1.40	1.12	1.02	.94
31VA302-F	A	2K	1.40	1.12	1.02	.94
31VA303-F	A	2.5K	1.40	1.12	1.02	.94
31VA305-F	A	5K	1.40	1.12	1.02	.94
31VA401-F	A	10K	1.40	1.12	1.02	.94
31VA403-F	A	25K	1.40	1.12	1.02	.94
31VA405-F	A	50K	1.40	1.12	1.02	.94
31VA501-F	A	100K	1.40	1.12	1.02	.94
31VA503-F	A	250K	1.40	1.12	1.02	.94
31VA505-F	A	500K	1.40	1.12	1.02	.94
31VA601-F	A	1M	1.40	1.12	1.02	.94
31VA602-F	A	2M	1.40	1.12	1.02	.94
31VA605-F	A	5M	1.40	1.12	1.02	.94

Linear Taper, (1.32") Shaft Length *

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VC205-F	A	500	1.40	1.12	1.02	.94
31VC301-F	A	1K	1.40	1.12	1.02	.94
31VC302-F	A	2K	1.40	1.12	1.02	.94
31VC303-F	A	2.5K	1.40	1.12	1.02	.94
31VC305-F	A	5K	1.40	1.12	1.02	.94
31VC401-F	A	10K	1.40	1.12	1.02	.94
31VC403-F	A	25K	1.40	1.12	1.02	.94
31VC405-F	A	50K	1.40	1.12	1.02	.94
31VC501-F	A	100K	1.40	1.12	1.02	.94
31VC503-F	A	250K	1.40	1.12	1.02	.94
31VC505-F	A	500K	1.40	1.12	1.02	.94
31VC601-F	A	1M	1.40	1.12	1.02	.94
31VC605-F	A	5M	1.40	1.12	1.02	.94

Audio Taper W/SPST Switch, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31XP301-F	B	1K	1.99	1.68	1.49	1.36
31XP305-F	B	5K	1.99	1.68	1.49	1.36
31XP401-F	B	10K	1.99	1.68	1.49	1.36
31XP405-F	B	50K	1.99	1.68	1.49	1.36
31XP501-F	B	100K	1.99	1.68	1.49	1.36
31XP505-F	B	500K	1.99	1.68	1.49	1.36
31XP601-F	B	1M	1.99	1.68	1.49	1.36

Linear Taper W/SPST Switch, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VM205-F	B	500	1.99	1.68	1.49	1.36
31VM301-F	B	1K	1.99	1.68	1.49	1.36
31VM303-F	B	2.5K	1.99	1.68	1.49	1.36
31VM305-F	B	5K	1.99	1.68	1.49	1.36
31VM401-F	B	10K	1.99	1.68	1.49	1.36
31VM403-F	B	25K	1.99	1.68	1.49	1.36
31VM405-F	B	50K	1.99	1.68	1.49	1.36
31VM501-F	B	100K	1.99	1.68	1.49	1.36
31VM503-F	B	250K	1.99	1.68	1.49	1.36
31VM505-F	B	500K	1.99	1.68	1.49	1.36
31VM601-F	B	1M	1.99	1.68	1.49	1.36

Linear Taper W/SPDT Switch, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
315-2415F-Value	C	1K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M	3.15	2.63	2.39

ALPHA SOLDER LUGS

Linear Taper W/Knurled Shaft, (.531") Shaft Length

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VF205-F	D	500	1.40	1.12	1.02	.94
31VF301-F	D	1K	1.40	1.12	1.02	.94
31VF302-F	D	2K	1.40	1.12	1.02	.94
31VF305-F	D	5K	1.40	1.12	1.02	.94
31VF401-F	D	10K	1.40	1.12	1.02	.94
31VF405-F	D	50K	1.40	1.12	1.02	.94
31VF501-F	D	100K	1.40	1.12	1.02	.94
31VF503-F	D	250K	1.40	1.12	1.02	.94
31VF505-F	D	500K	1.40	1.12	1.02	.94
31VF601-F	D	1 Meg	1.40	1.12	1.02	.94
31VF602-F	D	2 Meg	1.40	1.12	1.02	.94

Dual Ganged Linear Taper, (.335") Shaft Length

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VW205-F	E	500	2.73	2.27	2.06	1.88
31VW301-F	E	1K	2.73	2.27	2.06	1.88
31VW305-F	E	5K	2.73	2.27	2.06	1.88
31VW401-F	E	10K	2.73	2.27	2.06	1.88
31VW405-F	E	50K	2.73	2.27	2.06	1.88
31VW501-F	E	100K	2.73	2.27	2.06	1.88
31VW503-F	E	250K	2.73	2.27	2.06	1.88
31VW505-F	E	500K	2.73	2.27	2.06	1.88
31VW601-F	E	1M	2.73	2.27	2.06	1.88

Dual Ganged Audio Taper, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
313-2420F-1K	E	1K	2.73	2.27	2.06	1.88
313-2420F-5K	E	5K	2.73	2.27	2.06	1.88
313-2420F-10K	E	10K	2.73	2.27	2.06	1.88
313-2420F-50K	E	50K	2.73	2.27	2.06	1.88
313-2420F-100K	E	100K	2.73	2.27	2.06	1.88
313-2420F-250K	E	250K	2.73	2.27	2.06	1.88
313-2420F-500K	E	500K	2.73	2.27	2.06	1.88
313-2420F-1M	E	1M	2.73	2.27	2.06	1.88

ALPHA PCB TERMINALS

Linear Taper, (.335") Shaft Length

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VQ205-F	F	500	1.40	1.12	1.02	.94
31VQ301-F	F	1K	1.40	1.12	1.02	.94
31VQ305-F	F	5K	1.40	1.12	1.02	.94
31VQ401-F	F	10K	1.40	1.12	1.02	.94
31VQ403-F	F	25K	1.40	1.12	1.02	.94
31VQ405-F	F	50K	1.40	1.12	1.02	.94
31VQ501-F	F	100K	1.40	1.12	1.02	.94
31VQ503-F	F	250K	1.40	1.12	1.02	.94
31VQ505-F	F	500K	1.40	1.12	1.02	.94
31VQ601-F	F	1M	1.40	1.12	1.02	.94

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each		
			1	10	100
314-1410F-Value	G	1K, 5K, 10K, 50K, 100K, 200K, 500K, 1M	1.40	1.12	1.02

SOLDER LUGS "D" SHAFT

Audio Taper, (.334") Shaft Length • Shaft Dia: .236"

For quantities 1000 and up, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
313-2440F-Value	H	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.40	1.12	1.02	.94

Linear Taper, (.334") Shaft Length • Shaft Dia: .236"

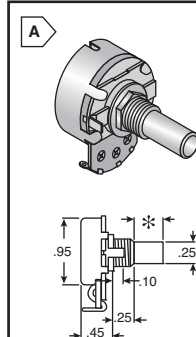
MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
313-2441F-Value	H	500, 1K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M, 2M, 5M	1.40	1.12	1.02	.94

ALPHA SOLDER LUGS WIREWOUND

Linear Taper 5 Watt

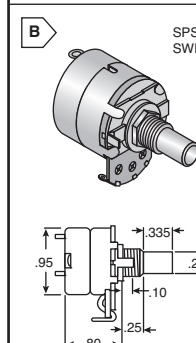
- Rotation angle: 300° ±5°
- Rotation torque: 30-300gf/cm
- Rated wattage: 5W
- End stop strength: 6Kg/cm

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
313-2401F-20	I	20	4.00	3.20	3.00	2.80
313-2401F-50	I	50	4.00	3.20	3.00	2.80
313-2401F-100	I	100	4.00	3.20	3.00	2.80
313-2401F-1K	I	1K	4.00	3.20	3.00	2.80
313-2401F-2K	I	2K	4.00	3.20	3.00	2.80

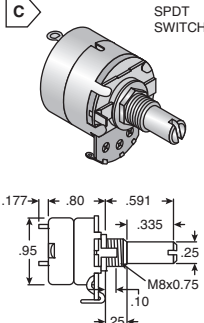


DIMENSIONS: in.

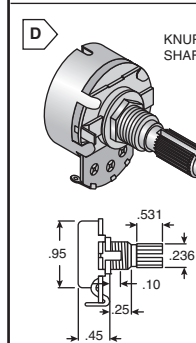
One hex nut and one washer are included with each potentiometer.
If needed, additional hardware is available.
Knobs are found in the knob pages of the electromechanical section.



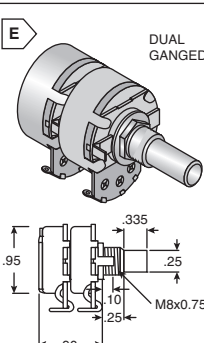
SPST SWITCH



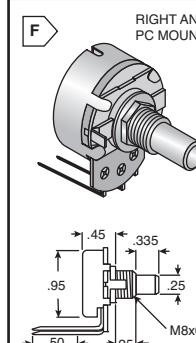
SPDT SWITCH



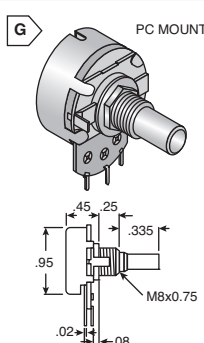
KNURLED SHAFT



DUAL GANGED



RIGHT ANGLE PC MOUNT



PC MOUNT

