ALPHA 24mm Potentiometers

ALPHA

RoHS Compliant **This product is RoHS compliant.**

Mechanical Specifications:

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

RoHS Compliant

Electrical Specifications:

- Rated wattage: Linear taper-1/2W, Audio taper-1/4W
- Rated voltage: 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

Linear Taper, (1.32") Shaft Length ✻

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VC205-F	A	500	1.80	1.44	1.31	1.20
31VC301-F	A	1K	1.65	1.32	1.20	1.10
31VC302-F	A	2K	1.65	1.32	1.20	1.10
31VC303-F	A	2.5K	1.65	1.32	1.20	1.10
31VC305-F	A	5K	1.65	1.32	1.20	1.10
31VC401-F	A	10K	1.65	1.32	1.20	1.10
31VC403-F	A	25K	1.65	1.32	1.20	1.10
31VC405-F	A	50K	1.65	1.32	1.20	1.10
31VC501-F	A	100K	1.65	1.32	1.20	1.10
31VC503-F	A	250K	1.65	1.32	1.20	1.10
31VC505-F	A	500K	1.65	1.32	1.20	1.10
31VC601-F	A	1M	1.80	1.44	1.31	1.20
31VC605-F	A	5M	1.80	1.44	1.31	1.20

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

For quantities greater than listed, call for quote.

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

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
31VF205-F	C	500	1.65	1.32	1.20	1.10
31VF301-F	C	1K	1.55	1.24	1.12	1.04
31VF302-F	C	2K	1.55	1.24	1.12	1.04
31VF305-F	C	5K	1.55	1.24	1.12	1.04
31VF401-F	C	10K	1.55	1.24	1.12	1.04
31VF405-F	C	50K	1.55	1.24	1.12	1.04
31VF501-F	C	100K	1.55	1.24	1.12	1.04
31VF503-F	C	250K	1.55	1.24	1.12	1.04
31VF505-F	C	500K	1.55	1.24	1.12	1.04
31VF601-F	C	1 Meg	1.65	1.32	1.20	1.10
31VF602-F	C	2 Meg	1.65	1.32	1.20	1.10

ALPHA SOLDER LUGS

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

For quantities greater than listed, call for quote.

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

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

313-2420F-1K	D	1K	2.73	2.27	2.06	1.88
313-2420F-5K	D	5K	2.73	2.27	2.06	1.88
313-2420F-10K	D	10K	2.73	2.27	2.06	1.88
313-2420F-50K	D	50K	2.73	2.27	2.06	1.88
313-2420F-100K	D	100K	2.73	2.27	2.06	1.88
313-2420F-250K	D	250K	2.73	2.27	2.06	1.88
313-2420F-500K	D	500K	2.73	2.27	2.06	1.88
313-2420F-1M	D	1M	2.73	2.27	2.06	1.88

SOLDER LUGS "D" SHAFT

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

For quantities greater than listed, call for quote.

MOUSER STOCK NO.	Fig.	Value (Ω)	Price Each			
			1	10	100	500
313-2440F-Value	E	1K, 5K, 10K, 50K, 100K, 500K, 1M	1.55	1.24	1.12	1.04

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

313-2441F-Value	E	500, 1K, 5K, 10K, 25K, 50K, 100K, 250K, 500K, 1M, 2M, 5M	1.65	1.32	1.20	1.10

ALPHA SOLDER LUGS WIREWOUND

Linear Taper 5 Watt

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

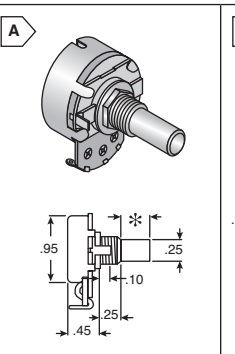
For quantities greater than listed, call for quote.

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

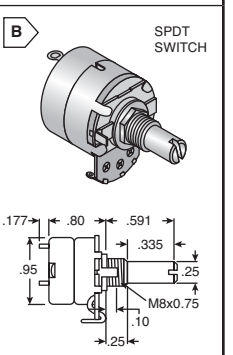
DIMENSIONS: in.

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.

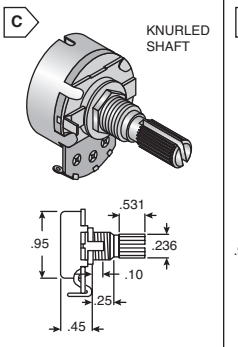
A



B SPDT SWITCH



C KNURLED SHAFT



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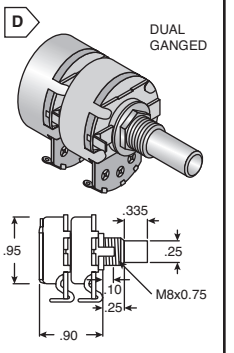

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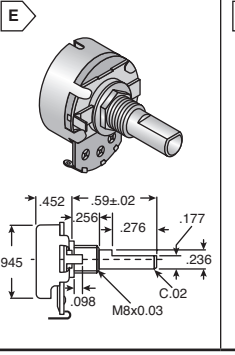
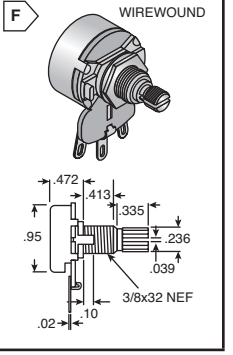


F WIREWOUND



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