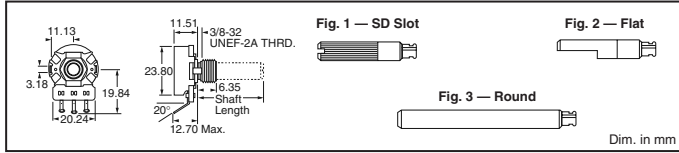


CTS Stock Pot™ Potentiometers 23.81mm Diameter Series 450



- Features:**
- Off the shelf availability
 - Wide Resistance Range
 - Available with three shaft styles: knurled and slotted, flattened or round
 - Economical in limited volume applications

Electrical and Mechanical Specifications:

• **Resistance Range:** 500Ω through 500KΩ • **Resistance Tolerance:** ±20% • **Power Rating, Watt:** Through 10KΩ, 1/2 watt; above 10KΩ through 100KΩ, 1/3 watt; above 100KΩ, 1/4 watt • **Voltage Rating:** Bushing to terminals: High pot test, one minute - 1080VAC • **Shaft Information:** Diameter: 6.35mm (Diameter over knurl 6.10mm - 6.25mm) • **Angle of Rotation:** Total rotation - 300° ±5°; Effective Rotation approximately 300° • **Bushing Information:** Material - Diecast zinc; Diameter - EIA st. 3/8" - 32 UNEF-2A thread; Length - 6.35mm ± .40mm • **Terminal Information:** Solder lug, formed to rear • **Locating Lug:** Left side, terminals down

Mounting hardware included.

To determine shaft length, use appropriate variable (1-8) shown below.

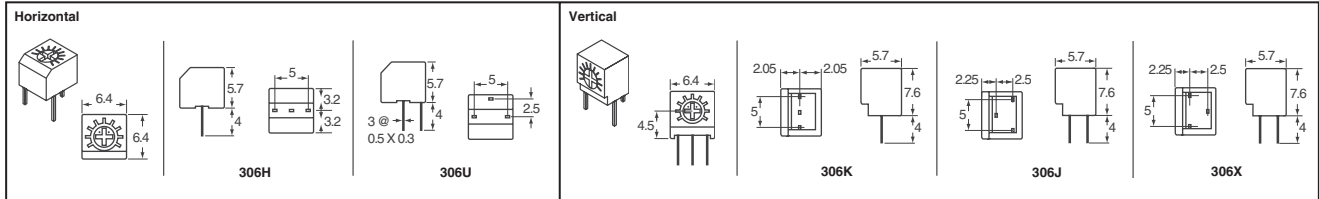
Shaft Length (mm)	12.70	15.88	19.05	22.23	25.40	50.80
Figure 1 - Slot	1	2	3	4	5	—
Figure 2 - Flat	—	—	—	6	7	—
Figure 3 - Round	—	—	—	—	—	8

Res. Ω	Digi-Key Part No.*	Price Each					
		1	10	100	250	500	1,000
500	450D501-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
1K	450D102-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
2.5K	450D252-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
5K	450D502-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
10K	450D103-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
25K	450D253-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
50K	450D503-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
100K	450D104-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
250K	450D254-□-ND	3.18	2.87	2.44	2.02	1.70	1.41
500K	450D504-□-ND	3.18	2.87	2.44	2.02	1.70	1.41

*For complete part number, substitute corresponding variable (from chart above) for □.

6mm Square Cermet Trimmer Potentiometer Series 306

Dim in mm



Res. Ω	Digi-Key Part No. Horizontal Bulk	Digi-Key Part No. Horizontal Tape & Reel	Digi-Key Part No. Horizontal Bulk	Digi-Key Part No. Vertical Bulk	Digi-Key Part No. Vertical Tape & Reel	Digi-Key Part No. Vertical Bulk	Digi-Key Part No. Vertical Bulk
10	—	306HC100BRTR-ND	—	306KC100B-ND	306KC100BRTR-ND	306JC100B-ND	306XC100B-ND
20	—	—	306UC200B-ND	306KC200B-ND	306KC200BRTR-ND	306JC200B-ND	306XC200B-ND
50	—	306HC500BRTR-ND	—	306KC500B-ND	306KC500BRTR-ND	306JC500B-ND	306XC500B-ND
100	—	306HC101BRTR-ND	306UC101B-ND	306KC101B-ND	306KC101BRTR-ND	306JC101B-ND	306XC101B-ND
200	—	306HC201BRTR-ND	—	306KC201B-ND	306KC201BRTR-ND	306JC201B-ND	306XC201B-ND
500	—	306HC501B-ND	306UC501B-ND	306KC501B-ND	306KC501BRTR-ND	306JC501B-ND	306XC501B-ND
1K	—	—	—	306KC102B-ND	—	306JC102B-ND	306XC102B-ND
2K	—	—	—	—	306KC202BRTR-ND	306JC202B-ND	306XC202B-ND
5K	—	306HC502BRTR-ND	—	—	306KC502BRTR-ND	—	—
10K	—	—	—	—	306KC103BRTR-ND	—	—
20K	—	—	—	—	306KC203BRTR-ND	—	—
50K	—	306HC503BRTR-ND	—	306KC503B-ND	306KC503BRTR-ND	306JC503B-ND	—
100K	—	—	306UC104B-ND	—	306KC104BRTR-ND	—	306XC104B-ND
200K	306HC204B-ND	306HC204BRTR-ND	306UC204B-ND	306KC204B-ND	306KC204BRTR-ND	306JC204B-ND	306XC204B-ND
500K	306HC504B-ND	306HC504BRTR-ND	—	306KC504B-ND	306KC504BRTR-ND	306JC504B-ND	306XC504B-ND
1M	—	306HC105BRTR-ND	—	306KC105B-ND	306KC105BRTR-ND	306JC105B-ND	306XC105B-ND
2M	306HC205B-ND	306HC205BRTR-ND	—	306KC205B-ND	306KC205BRTR-ND	306JC205B-ND	306XC205B-ND

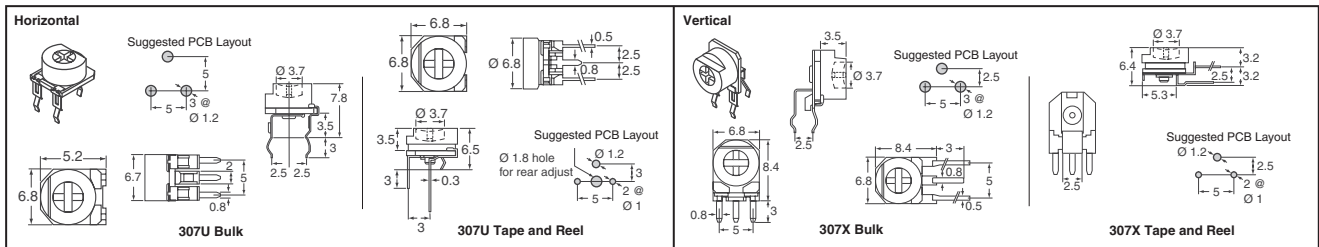
Features: • Easy and stable adjustment • Cross-slot knob for ease of adjustment • Auto insertion with radial taping

Electrical and Mechanical Specifications: • Taper: Linear • Resistance Tolerance: ±20% • Power Rating: 0.5 watt at 70°C, 0 watts at 125°C • Maximum Working Voltage: 200V or $\sqrt{PR} = V$ whichever is less • Temperature Range: -55°C - 125°C • Temperature Coefficient: ±100ppm/°C (except 10Ω ±200 ppm/°C) • Insulation Resistance: DC 500V, 1000MΩ minute • Dielectric Strength: AC 500V 1 minute • Operation Torque: 20 mN•m maximum • Stop Strength: 50 mN•m maximum

Series	Bulk Pricing			Tape & Reel Pricing 1,000
	1	10	50	
306HC/306KC	.54	5.00	20.75	640.00
306JC/306UC/306XC	.54	5.00	20.75	—

6mm Round Cermet Trimmer Potentiometer Series 307

Dim in mm



Res. Ω	Digi-Key Part No. Horizontal Bulk	Digi-Key Part No. Horizontal Tape & Reel	Digi-Key Part No. Vertical Bulk	Digi-Key Part No. Vertical Tape & Reel
100	307UC101E-ND	—	307XC101E-ND	307XC101ERTR-ND
200	—	307UC201ERTR-ND	—	307XC201ERTR-ND
500	307UC501E-ND	—	307XC501E-ND	307XC501ERTR-ND
1K	—	—	307XC102E-ND	—
5K	—	—	307XC502E-ND	307XC502ERTR-ND
10K	—	—	307XC103E-ND	—
50K	—	—	—	307XC503ERTR-ND
100K	—	—	307XC104E-ND	307XC104ERTR-ND
200K	307UC204E-ND	307UC204ERTR-ND	—	—
500K	307UC504E-ND	307UC504ERTR-ND	—	307XC504ERTR-ND
1M	—	—	—	307XC105ERTR-ND

Features:

- Front cross-slot adjustment
- Auto insertion with radial taping
- Radial taped parts are rear side adjustable

Electrical and Mechanical Specifications:

- Taper: Linear • Resistance Tolerance: ±25% • Power Rating: Cermet -0.3 watt at 70°C, 0 watts at 100°C • Maximum Working Voltage: 100V or $\sqrt{PR} = V$ • Temperature Range: -25°C - 100°C • Temperature Coefficient: ±250 ppm/°C • Rotation Angle: 240° ±10° • Operation Torque: Bulk; 2.94 - 29.4 mN•m Taped; 0.98 - 29.4 mN•m • Stop Strength: 49.0 mN•m maximum

Series	Bulk Pricing			Tape and Reel	
	1	10	50	Qty.	Pricing
307UC	.15	1.40	5.81	800	120.00
307XC	.15	1.40	5.81	1,000	150.00

More Product Available Online: www.digkey.com

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