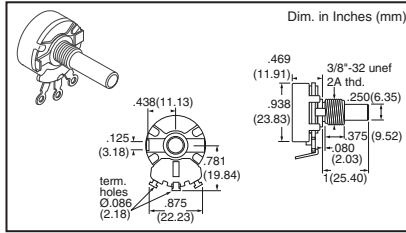


# CTS Wirewound Potentiometers - 5 Watt Series 026

**Specifications:**

- Resistance Range: 5Ω - 25KΩ
- Resistance Tolerance: ±20% • Power Rating Watts: 5 Watts @ 25°C Derated to No Load @ 105°C • Voltage Rating: Operating maximum 500VDC • Shaft Information: 1" FMS x .250" (25.40mm) FMS x 6.35mm Diameter, Metal, Plain Round • Angle of Rotation: 300° ±5° • Bushing Information: Diameter: EIA Std. 3/8"-32, UNEF-2A Thread Length: 3/8" ± 1/64" (9.52mm ± .40mm)
- Terminal Information: Solder Lug, Formed to Rear • Locating Lug: Left Side, Terminals Down



Res. Ω	Digi-Key Part No.	Price Each				CTS Part No.
		1	10	50	100	
5	CT2150-ND	5.08	4.74	3.93	3.55	026TB32R5A0B1A1
10	CT2151-ND	5.08	4.74	3.93	3.55	026TB32R100B1A1
25	CT2152-ND	5.08	4.74	3.93	3.55	026TB32R250B1A1
50	CT2153-ND	5.08	4.74	3.93	3.55	026TB32R500B1A1
100	CT2154-ND	5.08	4.74	3.93	3.55	026TB32R101B1A1
250	CT2155-ND	5.08	4.74	3.93	3.55	026TB32R251B1A1
500	CT2156-ND	5.08	4.74	3.93	3.55	026TB32R501B1A1
1K	CT2157-ND	5.08	4.74	3.93	3.55	026TB32R102B1A1
5K	CT2158-ND	5.08	4.74	3.93	3.55	026TB32R252B1A1
10K	CT2159-ND	5.08	4.74	3.93	3.55	026TB32R502B1A1
25K	CT2160-ND	5.08	4.74	3.93	3.55	026TB32R103B1A1

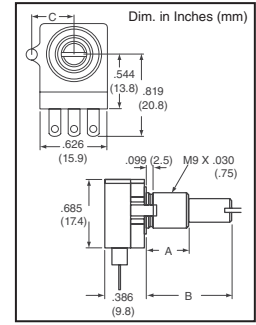
◆ RoHS Compliant

## Conductive Plastic Precision Potentiometers — 16mm, 1/2 Watt Series 282

**Features:**

- Robust Construction • 2 Million Life Cycles • 2% Precision Linearity • Water Resistance (IP54, IP67) • Slotted or Flatted Shaft • Operating Temperature: -40°C - 150°C

Res. Ω	Shaft Diameter Inch (mm)	Shaft Type Inch (mm)	Dimensions — Inches (mm)			Rotation Angle (°)	Digi-Key Part No.	Price Each			CTS Part No.	
			Bushing (A)	Shaft (B)	Lug (C)			1	10	50		100
<b>IP54</b>												
5K	.25 (6.35)	Flatted .440 x .217 (11.18 x 5.51)	.375 (9.52)	.875 (22.23)	.315 (8.0)	250/240	CT3015-ND	14.80	13.77	11.43	10.33	282T33L502A25A2
5K	.25 (6.35)	Flatted .440 x .217 (11.18 x 5.51)	.375 (9.52)	.875 (22.23)	.315 (8.0)	360/340	CT3016-ND	14.80	13.77	11.43	10.33	282T33L502A25C2
10K	.236 (6.0)	SD Slot .039 x .063 (.99 x 1.60)	.394 (10.0)	.591 (15.0)	.394 (10.0)	300/280	CT3017-ND	14.66	13.63	11.32	10.23	282TCBS103A25B1
<b>IP67</b>												
5K	.25 (6.35)	Flatted .440 x .217 (11.18 x 5.51)	.375 (9.52)	.875 (22.23)	.315 (8.0)	250/240	CT3012-ND	15.26	14.20	11.78	10.65	282T33L502A26A2
5K	.25 (6.35)	Flatted .440 x .217 (11.18 x 5.51)	.375 (9.52)	.875 (22.23)	.315 (8.0)	360/340	CT3013-ND	15.26	14.20	11.78	10.65	282T33L502A26C2
10K	.236 (6.0)	SD Slot .039 x .063 (.99 x 1.60)	.394 (10.0)	.591 (15.0)	.394 (10.0)	300/280	CT3014-ND	15.11	14.06	11.67	10.54	282TCBS103A26B1

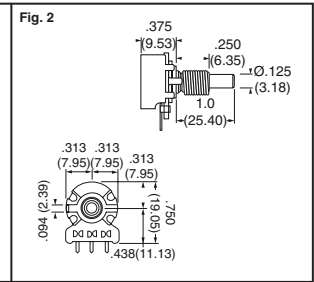
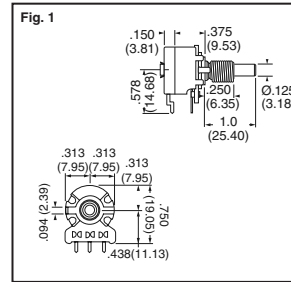


## Carbon Potentiometers — 1/4 Watt Series 270

**Specifications:**

- Resistance Range: 500Ω - 1MΩ • Resistance Tolerance: ±20% • Power Rating Watts: 1/4 Watt - 100K, 1/5 Watt above 100K • Voltage Rating: Operating Maximum: 500VDC • Mechanical Rotation: 300° ±5° • Available Power Switch: Type: Rotary Rating: 3A @ 125VAC (UL Approved) • Effective Rotation: Without Switch 300° (Approx.), with Switch 290° (Approx.) • Resistance Taper: Linear, Logarithmic • Locating Lug: Left Side, Terminals Down • Bushing Information: Length: 1/4" (6.35mm), Thread Size: 1/4"-32, diameter: 1/4" (6.35mm) • Shaft Information: Length: 1" (25.40mm) including bushing, Diameter: .125" (3.18mm)

Digi-Key Part No.	1	10	50	100	250
CT2223-ND - CT2233-ND	4.90	4.57	3.79	3.43	3.04
CT2201-ND - CT2211-ND	3.82	3.55	2.95	2.67	2.36
CT2212-ND - CT2222-ND	4.97	4.62	3.84	3.47	3.08
CT2234-ND - CT2244-ND	3.90	3.64	3.02	2.73	2.42



Linear Taper with Switch Fig. 1			Linear Taper without Switch Fig. 2			Logarithmic Taper with Switch Fig. 1			Logarithmic Taper without Switch Fig. 2		
Res. Ω	Digi-Key Part No.	CTS Part No.	Res. Ω	Digi-Key Part No.	CTS Part No.	Res. Ω	Digi-Key Part No.	CTS Part No.	Res. Ω	Digi-Key Part No.	CTS Part No.
100K	CT2223-ND	270X232A501B1B1	500	CT2201-ND	270X232A501B1A1	500	CT2212-ND	270X232A501B2B1	500	CT2234-ND	270X232A501B2A1
5K	CT2224-ND	270X232A102B1B1	1K	CT2202-ND	270X232A102B1A1	1K	CT2213-ND	270X232A102B2B1	1K	CT2235-ND	270X232A102B2A1
2.5K	CT2225-ND	270X232A252B1B1	2.5K	CT2203-ND	270X232A252B1A1	2.5K	CT2214-ND	270X232A252B2B1	2.5K	CT2236-ND	270X232A252B2A1
5K	CT2226-ND	270X232A502B1B1	5K	CT2204-ND	270X232A502B1A1	5K	CT2215-ND	270X232A502B2B1	5K	CT2237-ND	270X232A502B2A1
10K	CT2227-ND	270X232A103B1B1	10K	CT2205-ND	270X232A103B1A1	10K	CT2216-ND	270X232A103B2B1	10K	CT2238-ND	270X232A103B2A1
25K	CT2228-ND	270X232A253B1B1	25K	CT2206-ND	270X232A253B1A1	25K	CT2217-ND	270X232A253B2B1	25K	CT2239-ND	270X232A253B2A1
50K	CT2229-ND	270X232A503B1B1	50K	CT2207-ND	270X232A503B1A1	50K	CT2218-ND	270X232A503B2B1	50K	CT2240-ND	270X232A503B2A1
100K	CT2230-ND	270X232A104B1B1	100K	CT2208-ND	270X232A104B1A1	100K	CT2219-ND	270X232A104B2B1	100K	CT2241-ND	270X232A104B2A1
250K	CT2231-ND	270X232A254B1B1	250K	CT2209-ND	270X232A254B1A1	250K	CT2220-ND	270X232A254B2B1	250K	CT2242-ND	270X232A254B2A1
500K	CT2232-ND	270X232A504B1B1	500K	CT2210-ND	270X232A504B1A1	500K	CT2221-ND	270X232A504B2B1	500K	CT2243-ND	270X232A504B2A1
1MEG	CT2233-ND	270X232A105B1B1	1MEG	CT2211-ND	270X232A105B1A1	1MEG	CT2222-ND	270X232A105B2B1	1MEG	CT2244-ND	270X232A105B2A1

◆ RoHS Compliant

## Carbon Potentiometers — 1/8 Watt Series 296

- Resistance Range: 500Ω - 1MΩ • Resistance tolerance: ±20% • Power Rating Watts: 0.15 Watts @ 40°C derated to no load @ 85°C • Voltage Rating: Across End Terminals: 250VDC • Rotational Torque: 20-144cm • Angle of Rotation: Total rotation: 300° ±5° Effective Rotation: 280° (Approximately) • Stops: 0.57 N-m Minimum Stop Strength • Shaft Information: Length: 13.72mm Beyond Cover, Style: Knurled, Diameter: 6mm • Mounting Information: P.C. Board Mounting

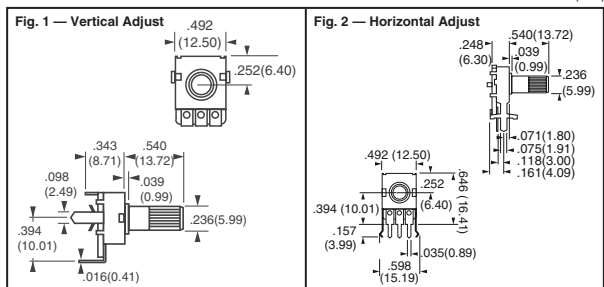


Fig.	Res. Ω	Description	Digi-Key Part No.	1	10	50	100	CTS Part No.
1	500	Vertical	CT2261-ND	2.18	1.82	1.52	1.22	296UD501B1N
	1K	Vertical	CT2262-ND	2.18	1.82	1.52	1.22	296UD102B1N
	2.5K	Vertical	CT2263-ND	2.18	1.82	1.52	1.22	296UD252B1N
	5K	Vertical	CT2264-ND	2.18	1.82	1.52	1.22	296UD502B1N
	10K	Vertical	CT2265-ND	2.18	1.82	1.52	1.22	296UD103B1N
	25K	Vertical	CT2266-ND	2.18	1.82	1.52	1.22	296UD253B1N
	50K	Vertical	CT2267-ND	2.18	1.82	1.52	1.22	296UD503B1N
	100K	Vertical	CT2268-ND	2.18	1.82	1.52	1.22	296UD104B1N
	250K	Vertical	CT2269-ND	2.18	1.82	1.52	1.22	296UD254B1N
	500K	Vertical	CT2270-ND	2.18	1.82	1.52	1.22	296UD504B1N
2	1MEG	Vertical	CT2271-ND	2.18	1.82	1.52	1.22	296UD105B1N
	500	Horizontal	CT2250-ND	2.18	1.82	1.52	1.22	296XD501B1N
	1K	Horizontal	CT2251-ND	2.18	1.82	1.52	1.22	296XD102B1N
	2.5K	Horizontal	CT2252-ND	2.18	1.82	1.52	1.22	296XD252B1N
	5K	Horizontal	CT2253-ND	2.18	1.82	1.52	1.22	296XD502B1N
	10K	Horizontal	CT2254-ND	2.18	1.82	1.52	1.22	296XD103B1N
	25K	Horizontal	CT2255-ND	2.18	1.82	1.52	1.22	296XD253B1N
	50K	Horizontal	CT2256-ND	2.18	1.82	1.52	1.22	296XD503B1N
	100K	Horizontal	CT2257-ND	2.18	1.82	1.52	1.22	296XD104B1N
	250K	Horizontal	CT2258-ND	2.18	1.82	1.52	1.22	296XD254B1N
500K	Horizontal	CT2259-ND	2.18	1.82	1.52	1.22	296XD504B1N	
1MEG	Horizontal	CT2260-ND	2.18	1.82	1.52	1.22	296XD105B1N	

◆ RoHS Compliant

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