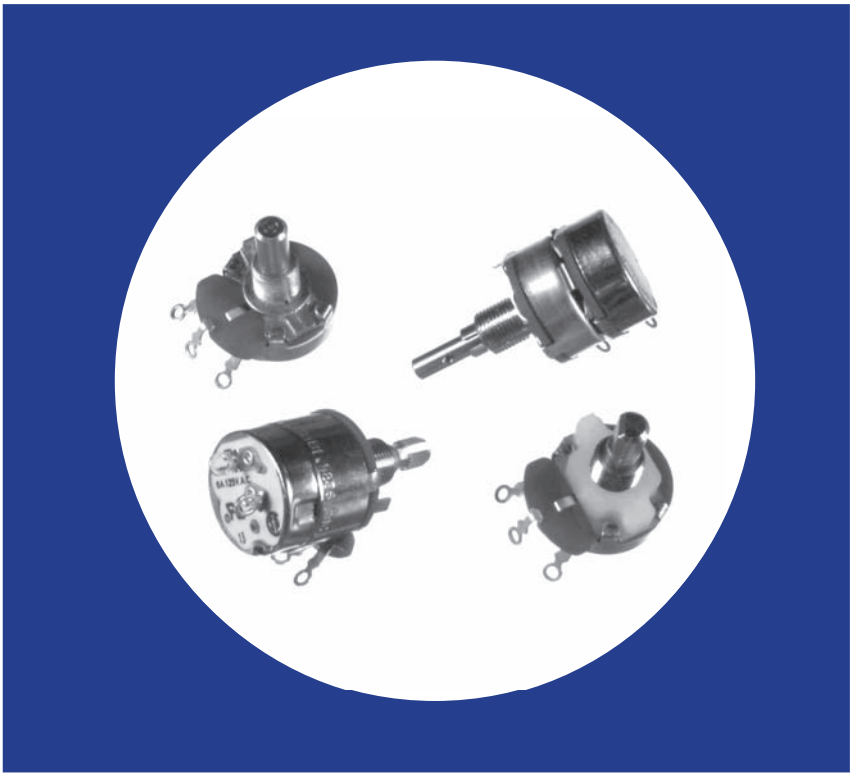
CTS Electrocomponents

Series 026 Data Sheet
Rotary Potentiometer

Industrial
24mm Diameter
5 Watt, Wirewound
Rotary Potentiometer



Features

- Dust-proof construction
- Precision linearity
- 5 watt power rating
- Superior resistance stability in temperature and environment change
- Tandem constructions available
- Bushing or twist tab mounting
- Available with pull-push and rotary power switches
- RoHS compliant

Electrical and Mechanical Specifications

Resistance Range
Linear : 1 ohm through 25K ohms
Audio : 20 ohms through 10K ohms

Resistance Tolerance
±20%, ±10%, ±5%

Power Rating
5 watts @ 25°C

Dielectric Strength
1,000 VAC for 1 minute

Maximum Operating Voltage
500 VDC

Insulation Resistance
100 Megohms minimum @ 250 VDC

Rotational Angle
Mechanical Angle: 300°±5°
Effective Angle:
Without switch: 280°
With switch: 240°

Rotational Torque
3/4 to 6 in. oz. (54 - 432 gf-cm)

Linearity (linear curve only)
Standard: 3% linearity
Special : 2% linearity

Mounting Information
Bushing Mount
Twisted Tab

Power Switch
Rotary Switch-SPST, DPST, SPDT
Pull-Push Switch-SPST (Pull-ON, Push-OFF)

Rotational Life
standard : 10,000 cycles
special : 50,000 , 100,000 cycles

Solder Heat Resistance
Maximum 350° C for 3 sec

Operating Temperature
-30°C to +105°C

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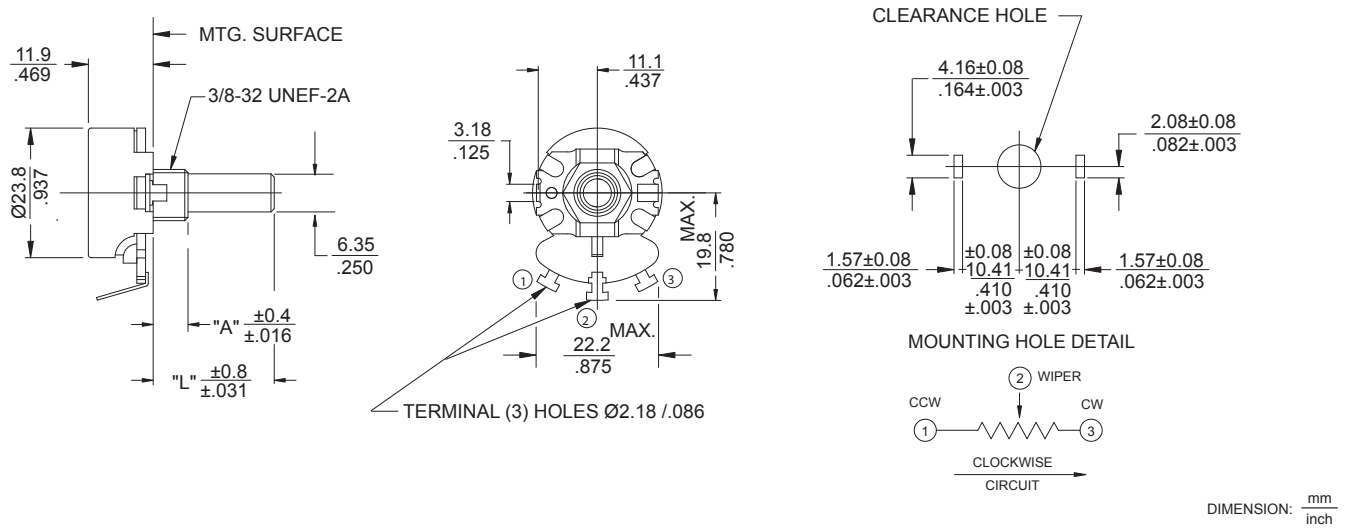
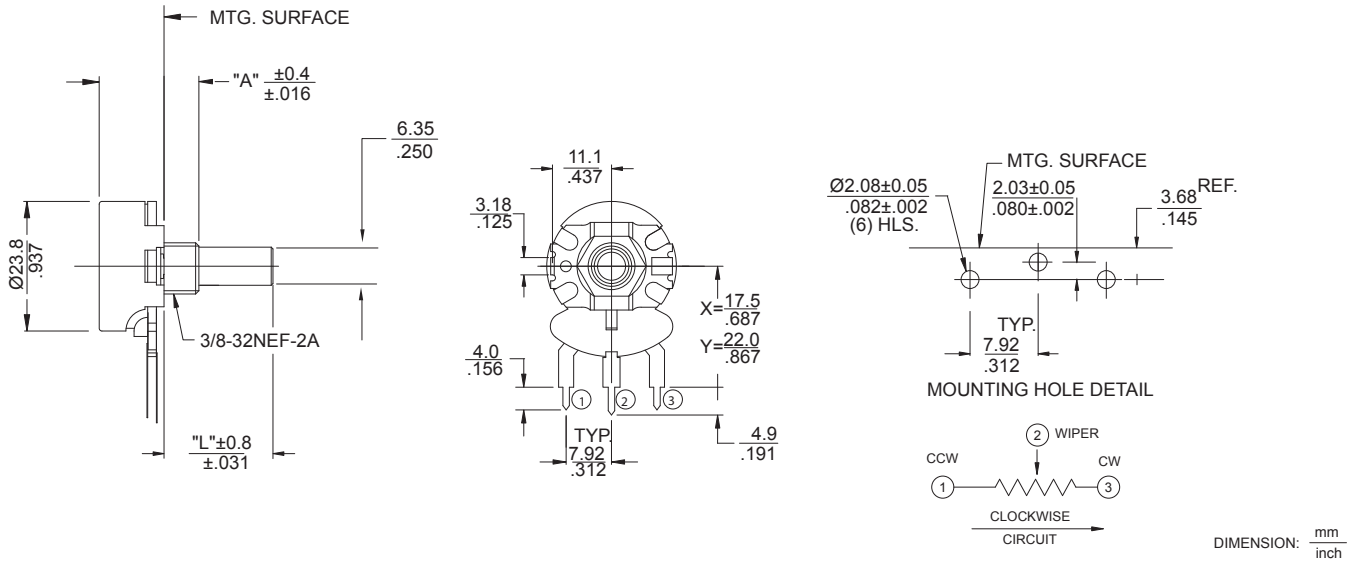
T026 Metal Shaft, Bushing Mounting, Type "T" Solder Lug Terminals



X026 / Y026 Metal Shaft, Bushing Mounting, Printed Circuit Type X/Y Terminals



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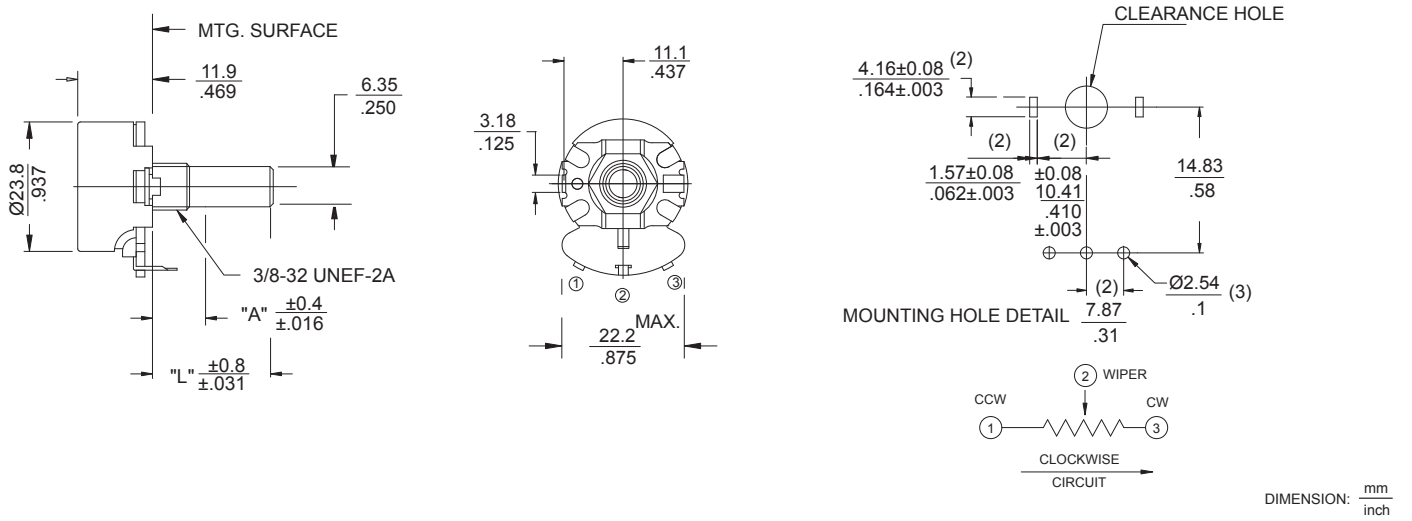
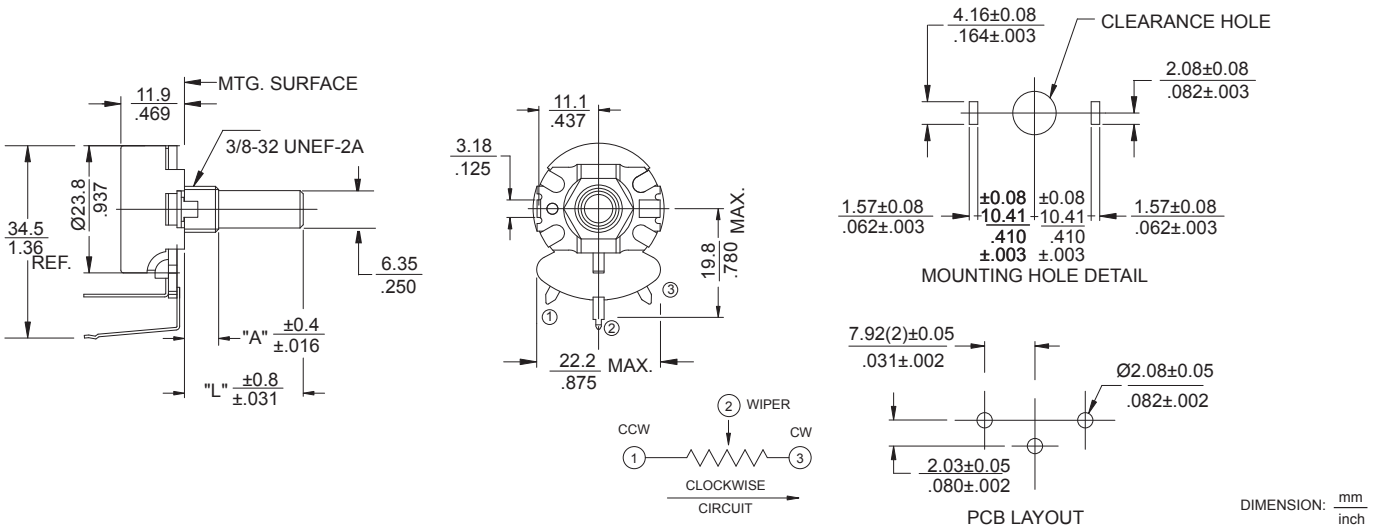
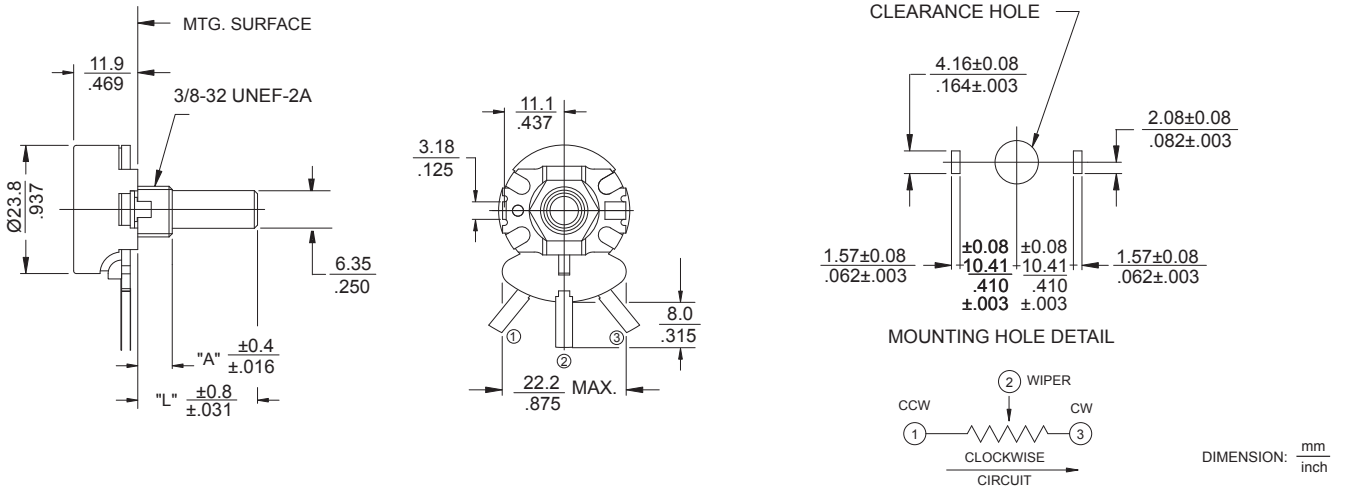
U026 Metal Shaft, Bushing Mounting, Printed Circuit Type “U” Formed Terminals



V026 Metal Shaft, Bushing Mounting, Printed Circuit Type “V” Formed Terminals



S026 Metal Shaft, Bushing Mounting, Faston Type “S” Formed Terminals



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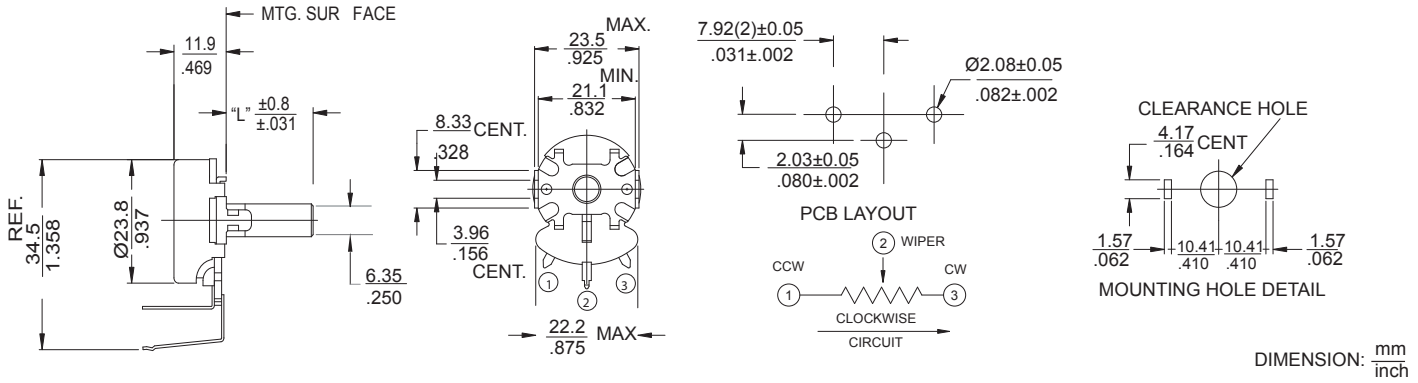
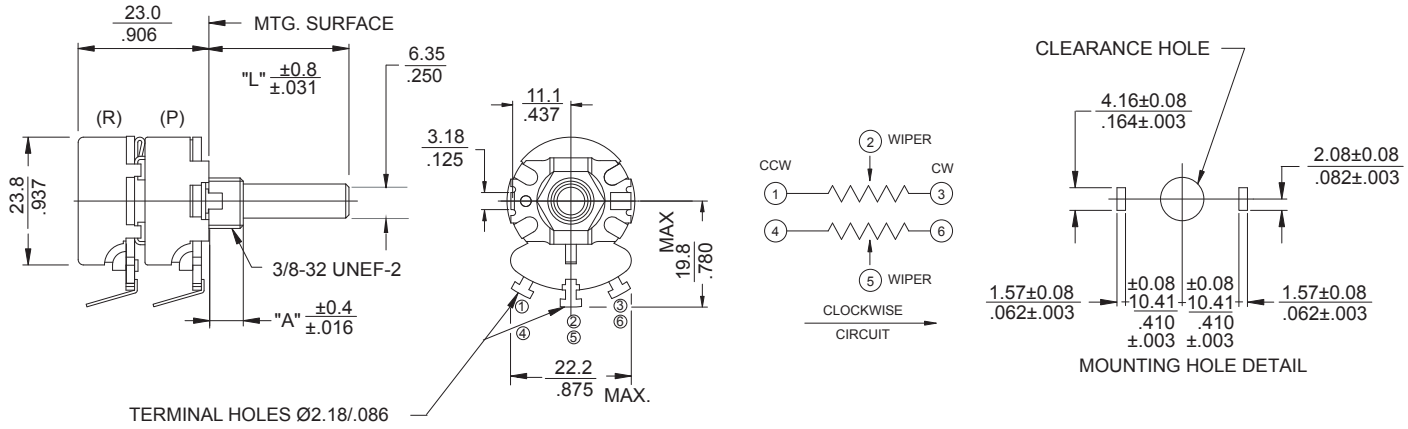
VPE026 Metal Shaft, Twist TAB Mounting, Type “V” Formed Terminals



DIMENSION: mm / inch

T2-026 Dual-section, Metal Shaft, Bushing Mounting, Type “T” Solder Lug Terminals



* More multi-section models available, consult CTS for details

DIMENSION: mm / inch

Ordering Information

026 T 2 20 R 103 B 1 A 1

TERMINAL STYLE
- **T** - SOLDER LUG
- **X** - PC .687”(17.5mm)
- **Y** - PC .867”(22.0mm)
- **U** - FORMED TO FRONT
- **V** - FORMED TO REAR
- **S** - FASTON

METAL MOUNTING STYLE “A”

BUSHING LENGTH: 1/8" INCREMENTS

EXAMPLES:
- **2** - .250"(6.35mm)
- **3** - .375"(9.53mm)
- **8** - 1.000"(25.4mm)
- **1** - TWIST TAB MOUNT
- **A** - .250"(6.35mm) DIECAST
- **B** - .375"(9.53mm) DIECAST

METAL SHAFT LENGTH “L”

FROM MOUNTING SURFACE 1/32"INCREMENTS

EXAMPLES:
- **20** - .625"(6.35mm)
- **24** - .750"(19.5mm)
- **28** - .875"(22.2mm)
- **32** - 1.000"(25.4mm)

SHAFT TRIM
- **R** - ROUND
- **F** - FLATTED .375"X.156" (9.53mmX4.0mm)
- **K** - KNURLED EIA S148 24 TEETH
- **S** - SD SLOT .063" DEEP X.047" WIDE (1.6mmX1.2mm)

RESISTANCE CODE EXAMPLES

CODE	RESISTANCE
5A0	5 OHMS
501	500 OHMS
102	1K
252	2.5K
502	5K
103	10K
253	25K

RESIST TOL
- **A** - ±10%
- **B** - ±20%
- **D** - ±5%

TAPER
- **1** - LINEAR
- **2** - 20%AUD
- **3** - 20%CCW AUD

SPECIALS
- **1** - LOCATING LUG LEFT SIDE
- **2** - LOCATING LUG RIGHT SIDE
- **3** - NO LOCATING LUG LOCATING
- **5** - LOCATING LUG BOTH SIDE

SWITCHES	FUNCTION	CTS TYPE	CURRENT RATING
A - NONE			
B - SPST	ROTARY	TGC	6AMP @ 125VAC
C - DPST	ROTARY	027	3AMP @ 125VAC 1AMP @ 250VAC
D - SPDT	ROTARY	028	3AMP @ 125VAC
E - SPST	PULL-PUSH	FR-K	3AMP @ 125VAC
F - SPST	ROTARY	FR-GC	3AMP @ 125VAC 1AMP @ 250VAC/DC

* Refer to series 450 data sheet for power switch detal

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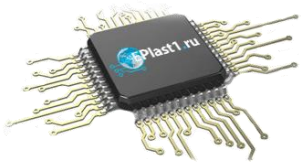
Компания «ЭлектроПласт» предлагает заключение долгосрочных отношений при поставках импортных электронных компонентов на взаимовыгодных условиях!

Наши преимущества:

- Оперативные поставки широкого спектра электронных компонентов отечественного и импортного производства напрямую от производителей и с крупнейших мировых складов;
- Поставка более 17-ти миллионов наименований электронных компонентов;
- Поставка сложных, дефицитных, либо снятых с производства позиций;
- Оперативные сроки поставки под заказ (от 5 рабочих дней);
- Экспресс доставка в любую точку России;
- Техническая поддержка проекта, помощь в подборе аналогов, поставка прототипов;
- Система менеджмента качества сертифицирована по Международному стандарту ISO 9001;
- Лицензия ФСБ на осуществление работ с использованием сведений, составляющих государственную тайну;
- Поставка специализированных компонентов (Xilinx, Altera, Analog Devices, Intersil, Interpoint, Microsemi, Aeroflex, Peregrine, Syfer, Eurofarad, Texas Instrument, Miteq, Cobham, E2V, MA-COM, Hittite, Mini-Circuits,General Dynamics и др.);

Помимо этого, одним из направлений компании «ЭлектроПласт» является направление «Источники питания». Мы предлагаем Вам помощь Конструкторского отдела:

- Подбор оптимального решения, техническое обоснование при выборе компонента;
- Подбор аналогов;
- Консультации по применению компонента;
- Поставка образцов и прототипов;
- Техническая поддержка проекта;
- Защита от снятия компонента с производства.



Как с нами связаться

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