

Industrial 15/16" (24mm) diameter 1/2 watt composition variable resistor

The CTS 450 Stock Pot™ Program provides immediate off-the-shelf availability from select CTS distributors. The program offers a choice of 11 of the most commonly used resistance values, linear or 10% logarithmic tapers and 17 popular plug in shafts which can be quickly assembled.

- Off-the-shelf availability
- Choice of linear or 10% logarithmic tapers
- Wide resistance range
- $\pm 20\%$ resistance tolerance
- Available with four shaft styles: knurled and slotted, flatted or round, with a wide selection of lengths and styles. Generally eliminates the need for cutting or modification.
- Economical even in limited volume applications
- Supplied with mounting hardware



Electrical and Mechanical Specifications

Resistance Range

500 ohms through 1 Megohm

Resistance Tolerance

Standard $\pm 20\%$

Power Rating, Watts

Through 10K ohms, 1/2 watt; above 100K ohms
through 100K ohms, 1/3 watt; above 100K ohms,
1/4 watt

Voltage Rating

Bushing to terminals:
High pot test, one minute — 1080 VAC
Operating maximum — 750 VDC

Shaft Information

Diameter: .250" (6.35mm)

Angle of Rotation

Total Rotation: 300 degrees, $\pm 5^\circ$
Effective Rotation: approximately 300 degrees

Bushing Information

Material: diecast zinc
Diameter: EIA std. $\frac{3}{8}$ – 32 UNEF-2A thread
Length: $\frac{3}{8}$ " $\pm \frac{1}{64}$ " (9.53mm $\pm$ 0.39mm)
Available with $\frac{3}{8}$ " – 32 UNEF-2A thread only

Terminal Information

Solder lug, PC formed to rear

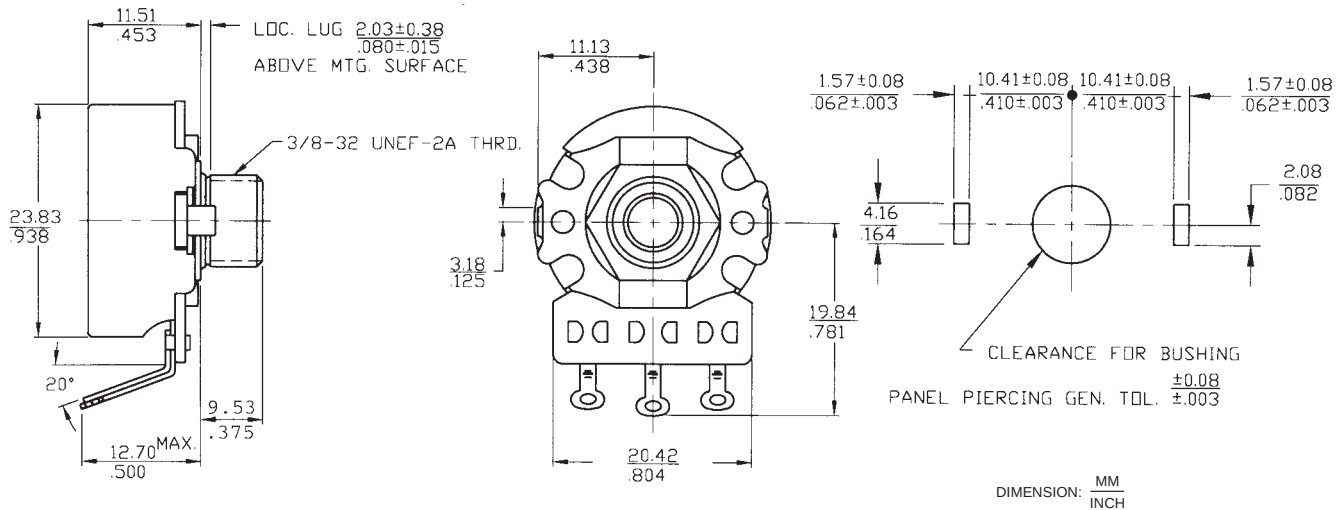
Locating Lug

Left side, terminals down

Optional Switch

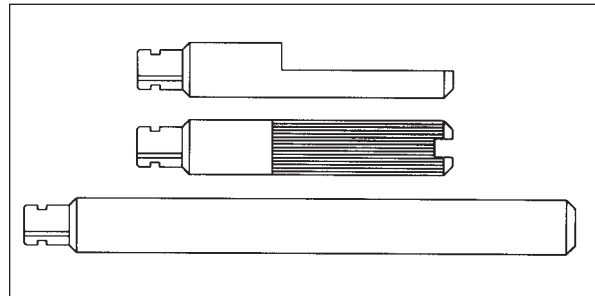
SPST rotary switch 050 is available with limited shaft and resistance options. See ordering information.

CTS Type 450 Stock Pot™



Plug In Shafts

Popular shaft styles are available with trim selections including screwdriver slot (.047" wide x .063" or 1.19mm x 1.60mm), flat (molded shaft flat is .156" wide x .500" long or 3.96mm x 12.7mm, brass shaft flat is .375" x .156" or 9.53mm x 3.69mm), knurled and slotted (diameter over knurl molded is .240" - .246" or 6.10 - 6.25 mm, brass is .231" - .241" or 5.87 - 6.12 mm), or full round.



See trim selections and shaft details in chart below.

Ordering Information

450 T A103 E M4 S				SWITCH	
TERMINAL STYLE				BLANK - NO SWITCH	
T - SOLDER LUG V - PC FORMED TO REAR				S - SPST Rotary 050 Switch is supplied with an assembled molded shaft. Shaft Option M5 Only	
MOUNTING STYLE				SHAFT OPTIONS	
B - 3/8" DIECAST BUSHING E - EAR MOUNT				BRASS	MOLDED
RESISTANCE OHMS	LOG A TAPER	or	LINEAR D TAPER	B1 - 5/8" SD Slot	M1 - 1/2" K&S
1K	A102		D102	B2 - 3/4" SD Slot	M2 - 5/8" K&S
2.5K	A252		D252	B3 - 7/8" SD Slot	M3 - 3/4" K&S
5K	A502		D502	B4 - 1" SD Slot	M4 - 7/8" K&S
10K	A103		D103	B5 - 3/4" Flat	M5 - 1" K&S
25K	A253		D253	B6 - 7/8" Flat	M6 - 7/8" Flat
50K	A503		D503	B7 - 1" Flat	M7 - 1" Flat
100K	A104		D104	B8 - 3/4" K&S	M8 - 2" Round
250K	A254		D254	B9 - 7/8" K&S	
500K	A504		D504	Shaft M5 Required with Switch	
1M	A105		D105		

Order From:

CTS CORPORATION, RESISTOR/ELECTROCOMPONENTS / 1601 Mishawaka Street / Elkhart, Indiana 46514
North America Toll Free (888) 287-4690 / (219) 296-6700 / FAX: (219) 293-1240 <http://www.ctscorp.com>

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