

## 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

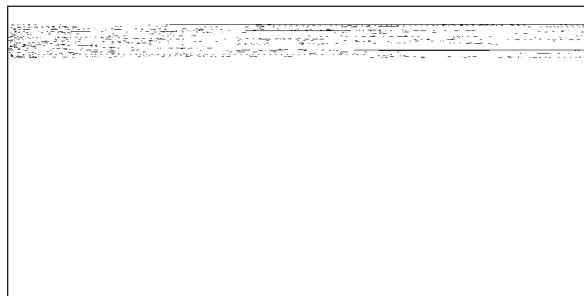
SPST rotary switch 050 is available with limited shaft and resistance options. See ordering information.

# CTS Type 450 Stock Pot™

DIMENSION:  $\frac{\text{MM}}{\text{INCH}}$

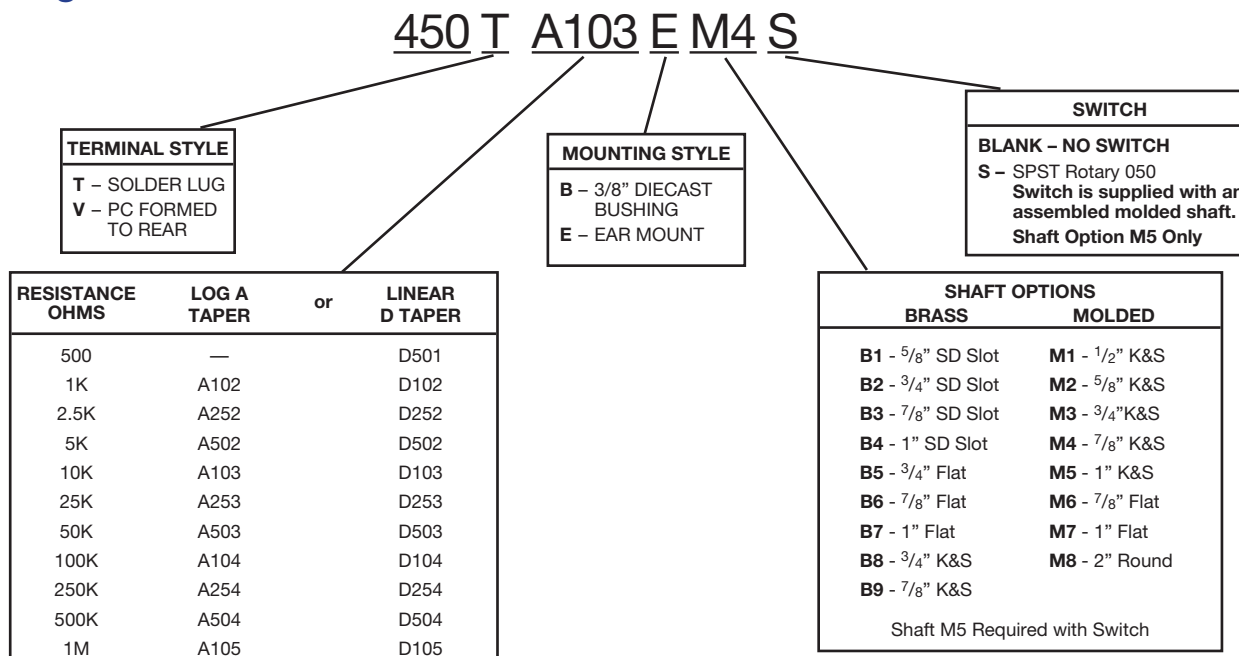
## Plug In Shafts

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



## 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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