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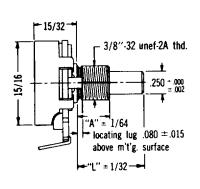
CTS Series AW Commercial 15/16" diameter, 5-watt wirewound variable resistor

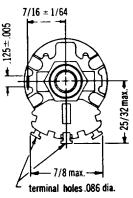
- Fully enclosed construction
- 5 watt power rating
- Compact size
- Wide resistance range
- Tandem constructions

- Economical
- 50% tap available
- Bushing or twist tab mounting
- Available with pull-push and rotary power switches
- L and T pads available

CTS series AW, type AW







Electrical and Mechanical Specifications

Resistance Range

1 ohm through 25K ohms

Resistance Tolerance

STANDARD: ±10%
SPECIAL: ±5%

Power Rating, Watts

5 watts @ 25°C, 4 watts @ 55°C, derated to no load @ 105°C. Based on linear taper, single section, bushing mounted control on a 4" x 4" x .050" steel panel.

Voltage Rating

BUSHING TO TERMINALS:

High pot test, one minute—1080 VAC Operating maximum _ 500 VDC

ACROSS END TERMINALS:

350 VDC maximum, not to exceed wattage rating.

Resistance Tapers

STANDARD: Linear

SPECIAL: Non-linear available

Taps

One tap at 50% of resistance and rotation available on resistance values under 5K ohms.

Power Switches

Switch Type	Switch Rating	CTS Type
SPST Pull-on, Push-off	3 amps @ 125 VAC	К*
SPST Rotary	3 amps @ 125 VAC	GC*
DPST Rotary	3 amps @ 125 VAC	020*
SPDT Rotary	5 amps @ 125 VAC 5 amps @ 125 VAC	0 21*

*U/L approved

Angle of Rotation

TOTAL ROTATION:

Without switch 300° ±5° With switch 300° ±5°

EFFECTIVE ROTATION:

Without switch 280° approx. With switch 240° approx.

Shaft Information

DIAMETER: .250" +.000" -.002"

LENGTH: As required in increments of 1/16".

TRIM: Available shaft trim shown in General Information catalog section 7000.

Bushing Information

DIAMETER: 3/8"-32 UNEF-2A thread.

LENGTHS:

Standard Bushing: 3/8" or 1/4"

Special Lengths: Available as required.

Locating Lugs

STANDARD POSITION: Left side terminals down supplied unless otherwise specified.

OTHER POSITIONS: Available with lug right side terminals down, without lugs, or with lugs both left and right side.

RADIUS:

Standard: 7/16"

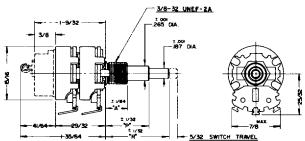
Special: 17/32" available

Mounting Hardware:

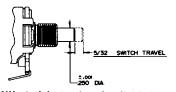
Available hardware shown in General Information Catalog Section 7000. Unless specified, controls supplied less hardware.

Special Features and Constructions

- · terminals accepting solderless push-on connectors available
- if required, element wire can be soldered to end terminals
- · straight or concentric tandem constructions

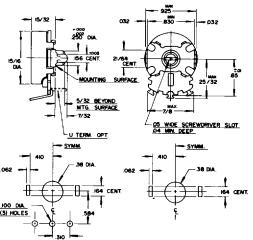


Type C2-AW concentric shaft tandem

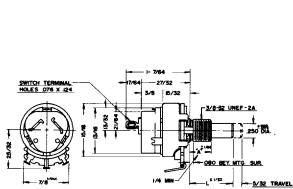


Type 2-AW, straight tandem (available in two or more sections)

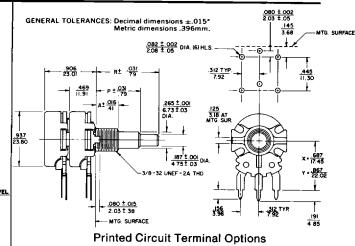
· compatible with 450/45 series, 15/16" diameter, commercial composition variable resistor and can be combined to make any combination of straight or concentric tandem constructions with or without switch.

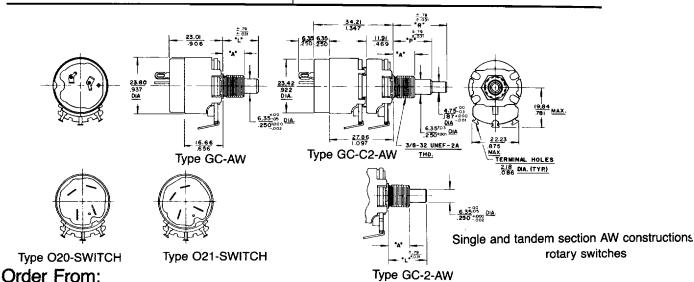


Type PM-AW, twist tab mounting, molded shaft. (Metal shafts also available)



Type K-AW, bushing mounted, single section with attached K switch (pull-on push-off)





CTS CORPORATION, ELECTROMECHANICAL DIVISION