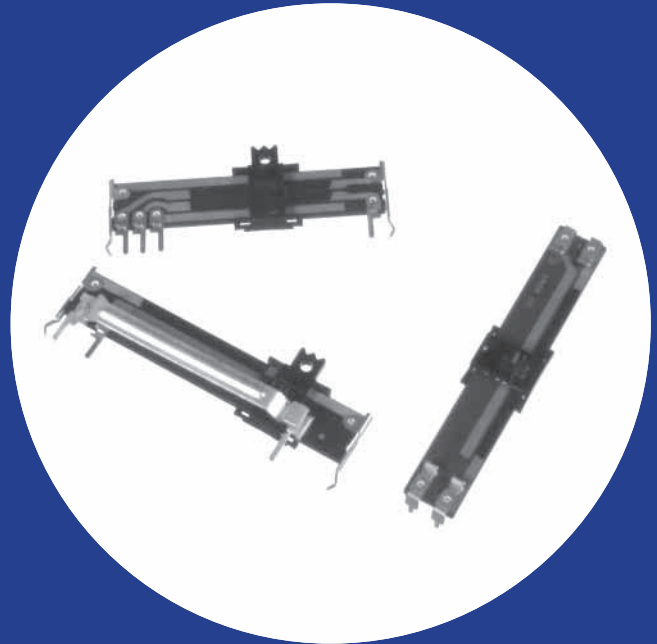


## Commercial Linear Motion Carbon Composition Slide Potentiometer

### Features

- 10-60mm slider travel
- Innovative AC power switch (SPST, SPDT)
- Center, Multiple detents available
- Single or dual element designs
- Economical
- Wide resistance range
- Slim construction
- RoHS Compliant



Patent No.: US: 5,959,525 , Taiwan: 204502.

### Electrical and Mechanical Specifications

#### Resistance Range

500 ohms through 1 megohms, linear  
Consult CTS for audio taper

#### Resistance Tolerance

±30%, ±20%, ±10%

#### Insulation Resistance

10 Megohms minimum at 250 VDC

#### Maximum Operating Voltage

| Taper      | 10mm   | 15mm<br>20mm     | 30mm   | 45mm   | 60mm   |
|------------|--------|------------------|--------|--------|--------|
| Linear     | 100VDC | 150VDC<br>200VDC | 250VDC | 300VDC | 500VDC |
| Non-linear | 50VDC  | 50VDC<br>150VDC  | 200VDC | 250VDC | 300VDC |

#### Power Rating, watts

| Taper      | 10mm   | 15mm<br>20mm | 30mm | 45mm  | 60mm  |
|------------|--------|--------------|------|-------|-------|
| Linear     | 0.05w  | 0.1w         | 0.2w | 0.25w | 0.5w  |
| Non-linear | 0.025w | 0.05w        | 0.1w | 0.15w | 0.25w |

#### Power Switch (optional)

SPST - 10,000 cycles carrying 1,000 watts 120 VAC  
(Tungsten-filament)

SPDT - 10,000 cycles carrying 600 watts 120 VAC  
(Tungsten-filament)

#### Slide Travel

Potentiometer without switch:

X and U Style: 10, 15, 20, 30, 45, and 60mm

V Style: 10, 15, 25, 40, and 55mm

Potentiometer with switch:

30mm = 27mm electrical + 3mm switch (SPST only)

20mm = 17mm electrical + 3mm switch

#### Operating Force

Potentiometer : 20-150 g

Switch : 100-500 g

#### Stop Strength

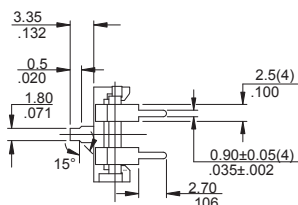
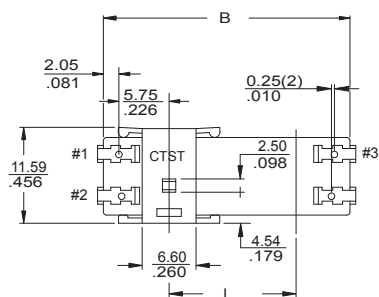
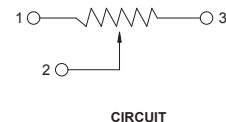
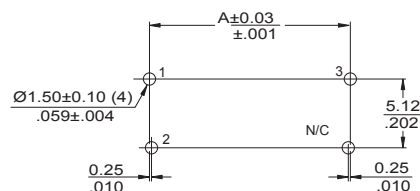
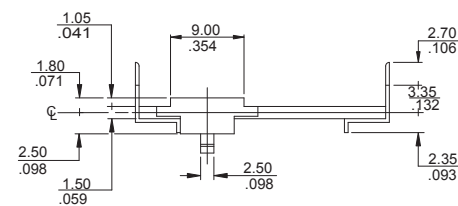
3K gf maximum, measured at base of slider

#### Operating Life

Standard : 10,000 cycles

Special : 100,000 , 250,000 cycles

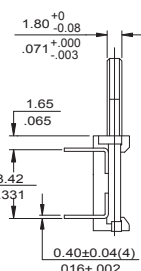
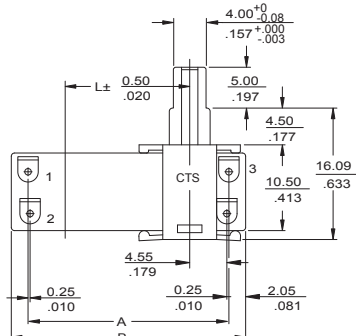
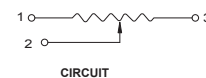
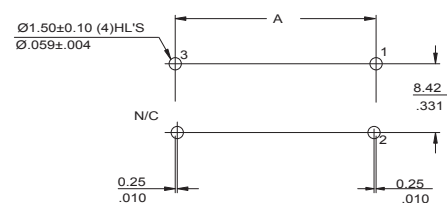
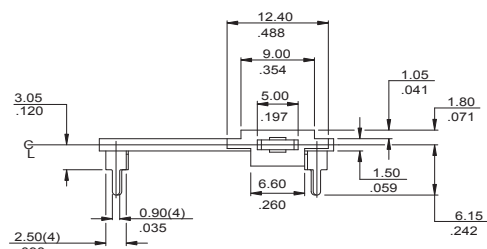
## TYPE 448V MONO



| MODEL    | DIMENSIONS |             |             |
|----------|------------|-------------|-------------|
|          | L (Travel) | A           | B           |
| 448V-10M | 10/ .394   | 30.20/1.189 | 28.70/1.130 |
| 448V-15M | 15/ .591   | 35.20/1.387 | 33.70/1.372 |
| 448V-25M | 25/ .984   | 45.20/1.180 | 43.70/1.721 |
| 448V-40M | 40/ 1.575  | 60.20/2.370 | 58.70/2.311 |
| 448V-55M | 55/ 2.166  | 75.20/2.961 | 73.70/2.902 |

DIMENSION: mm  
INCH

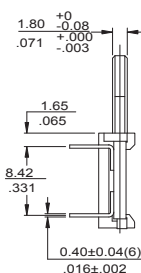
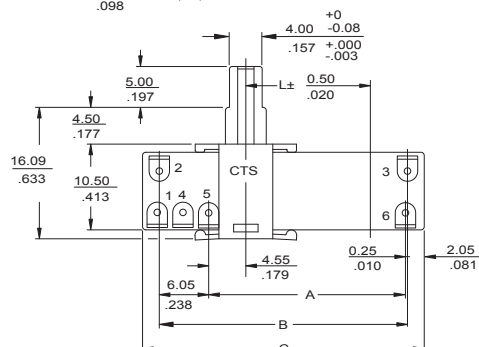
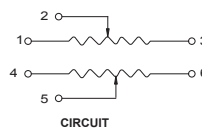
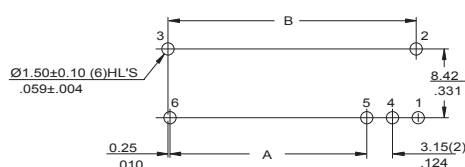
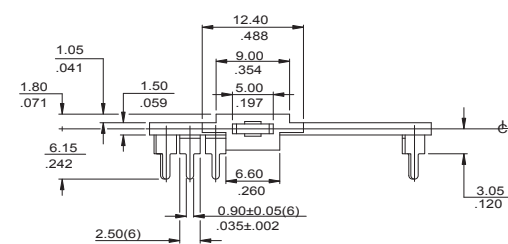
## TYPE 448U MONO



| MODEL    | DIMENSIONS |             |             |
|----------|------------|-------------|-------------|
|          | L(Travel)  | A           | B           |
| 448U-10M | 10/ .394   | 19.60/ .772 | 23.70/ .933 |
| 448U-15M | 15/ .591   | 24.60/ .969 | 28.70/1.130 |
| 448U-20M | 20/ .787   | 29.60/1.165 | 33.70/1.327 |
| 448U-30M | 30/ 1.181  | 39.60/1.559 | 43.70/1.720 |
| 448U-45M | 45/ 1.772  | 54.60/2.149 | 58.70/2.311 |
| 448U-60M | 60/ 2.362  | 69.60/2.740 | 73.70/2.902 |

DIMENSION: mm  
INCH

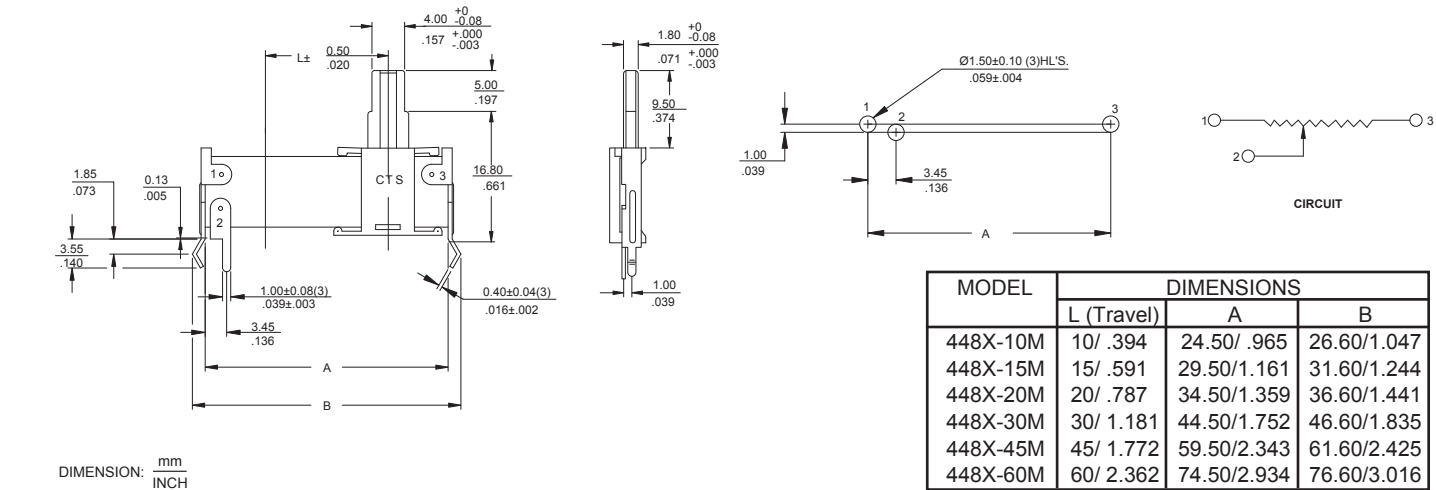
## TYPE 448U DUAL



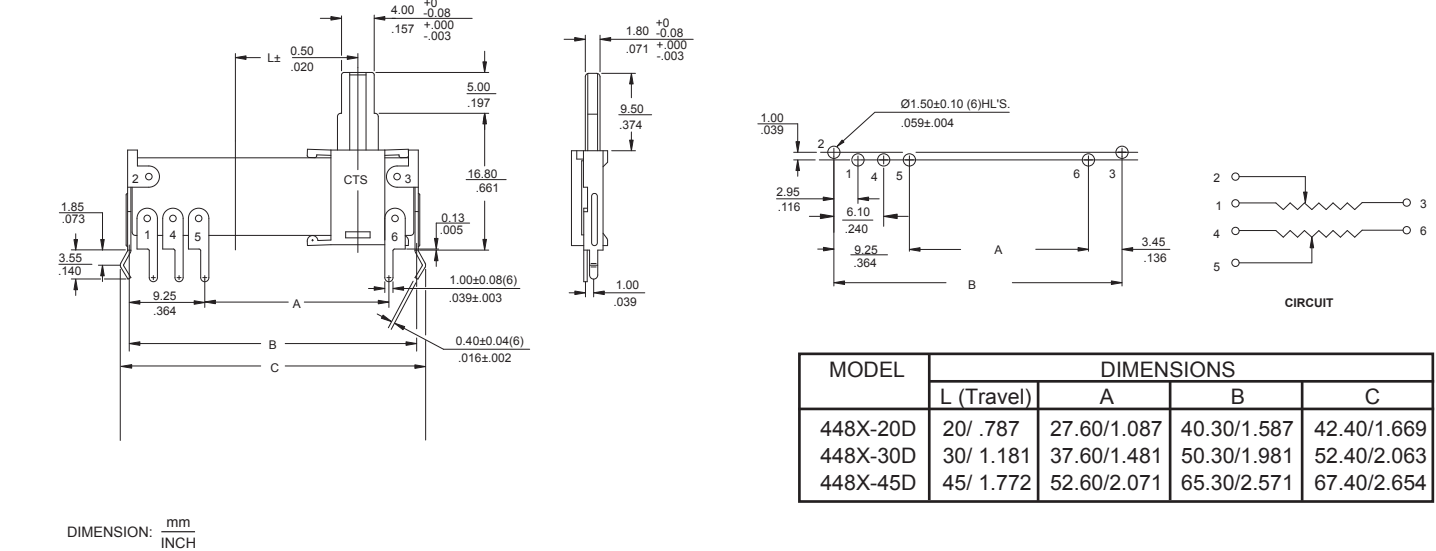
| MODEL    | DIMENSIONS |             |             |             |
|----------|------------|-------------|-------------|-------------|
|          | L(Travel)  | A           | B           | C           |
| 448U-20D | 20/ .787   | 29.10/1.146 | 35.40/1.394 | 39.50/1.555 |
| 448U-30D | 30/ 1.181  | 39.10/1.539 | 45.40/1.787 | 49.50/1.949 |
| 448U-45D | 45/ 1.772  | 54.10/2.130 | 60.40/2.378 | 64.50/2.539 |

DIMENSION: mm  
INCH

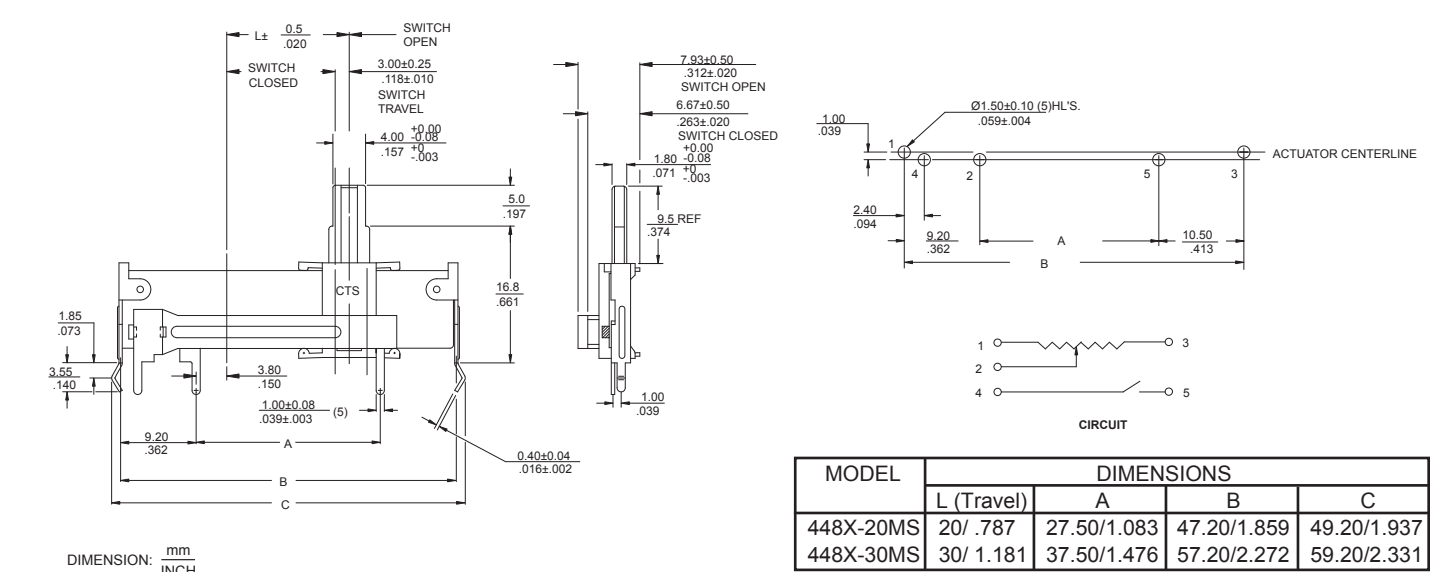
TYPE 448X MONO



TYPE 448X DUAL



TYPE 448X MONO W/SPST SWITCH







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- Техническая поддержка
- Подбор комплектации
- Индивидуальный подход
- Гибкое ценообразование
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