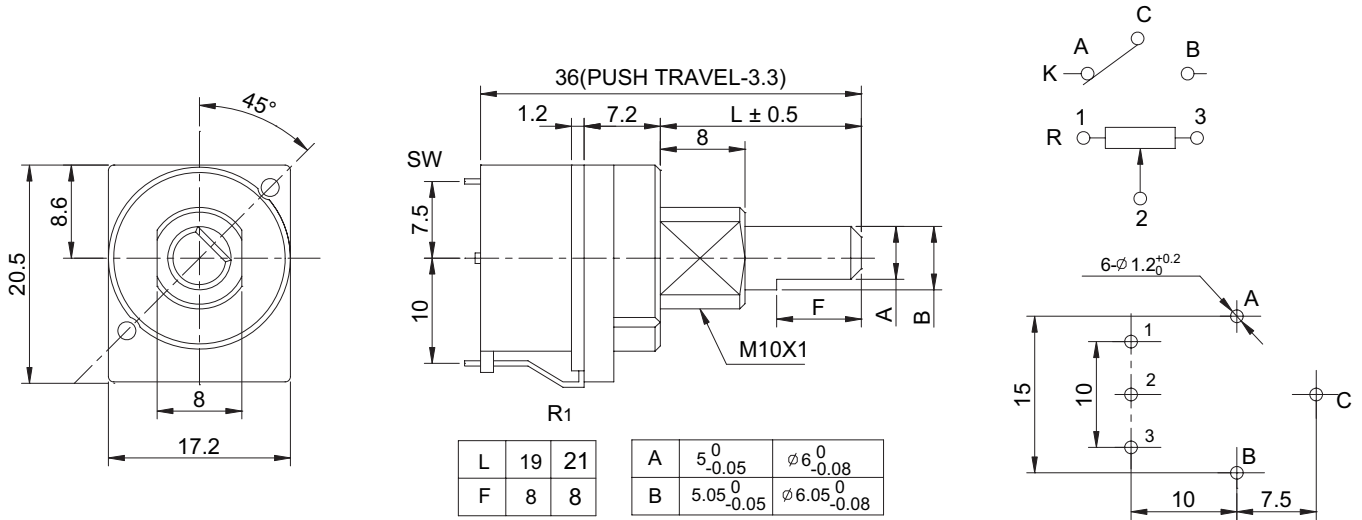


Potentiometers

Dimmer Potentiometer with Push Switch

PT93 Series



SPECIFICATIONS

CARBON PLATE

Resistance Range: 1K Ω - 2M Ω
 Rated Power: 0.05W(Taper A & C); 0.2W(Taper B)
 Taper: A, B, C (See drawings)
 Maximum Resistance: $\pm 18\%$ (less than 1M);
 $\pm 30\%$ (1M or more)
 Maximum Working Voltage: AC250V

GENERAL CHARACTERISTICS

Insulation Resistance: Min. 100M Ω at 500VDC
 Dielectric Strength: 750VAC 1 minute (between open contacts)
 1500VAC 1 minute (between carbon and contacts)
 Total Rotation Angle: 270 $\pm 5^\circ$
 Rotational Noise: 47mv Max.
 Residual Resistance: 1%R Max.
 Rotational Torque: 1 - 10mN.m
 Shaft Stop Strength: 3Kgf.cm
 Switch Working Stroke: 3 \pm 0.5 mm
 Switch Working Force: 50 - 300 gf.cm
 Temperature Range: -25 $^\circ$ C - 105 $^\circ$ C at normal voltage
 Click Position: Without / 15/27/36 detents
 Welding Tin Temperature: 260 $^\circ$ C Max., 10 seconds Max.

CONTACT

Arrangement: Form C (SPDT-NO)
 Material: Special silver alloy
 Type: Double Type
 Resistance: 50m Ω (initial at 6VDC 1A)

SWITCH CONTACT RATINGS (Resistive)

Nominal Load: 10A 250VAC or 24VDC
 Maximum Switching Power: 2,500 W
 Maximum Switching Voltage: 250VAC, 150VDC
 Maximum Switching Current: 10A
 Maximum Carrying Current: 15A
 Minimum Switching Load: 5VDC, 100mA

DURABILITY

Mechanical Life: 50,000 operations (10-17 times/minute)
 Electrical Life: 30,000 operations (10-17 times/minute)

WITHSTAND VIBRATION PROPERTY

Misoperation: 10 - 55 Hz (Double amplitude of 3.3mm)
 Endurance: 10 - 55 Hz (Double amplitude of 3.3mm)

SHOCK RESISTANCE

Misoperation: 100 m/s²(11 \pm 1ms)
 Endurance: 500 m/s²(6 \pm 1ms)



How to order:

PT93

RoHS Compliant

1 SHAFT LENGTH:

19 19 mm
 21 21 mm

2 SHAFT SIZE:

K 5mm
 G 6mm

3 TAPER TYPE:

A A Type
 B B Type
 BS B Type with 50% TAP
 C C Type

4

free text

RESISTANCE:

1K ohm to 2M ohm
 (e.g. 10K for 10K ohm)

5 CLICK POSITION:

0 0 detents
 15 15 detents
 27 27 detents
 36 36 detents

RESISTANCE TAPERS

