21 mm Rotary Potentiometer

PHS21 Series





Features:

- Resistance range 1 $K\Omega$ to 1 $M\Omega$
- Conductive plastic element
- 50,000 cycle life
- Hollow shaft

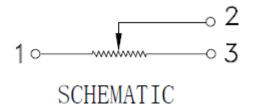




Description: 21 mm rotary hollow shaft potentiometer with plastic housing with mounting wings. Linear

Applications:

- Amplifiers/mixers/synthesizers
- **Appliances**
- Audio/Car Radio/TV sets
- **Industrial Controls**
- **Medical Equipment Controls**
- **Throttle Controls**



Electrical Characteristics

$T_A = 25$ °C unless otherwise noted

Resistance Range	1KΩ to 1MΩ				
Standard Resistance Tolerance	±20%				
Electrical Angle	300° ±10°				
Maximum Operating Voltage	50 VAC/20 VDC				
Rated Power	0.5W				
Dielectric Strength	1 minute at 250 VAC				
Insulation Resistance	100MΩ min. at 200 VDC				
Rotational Noise	< 100mVp-p				

PHS21 Series



Mechanical Characteristics

 $T_{\Delta} = 25^{\circ}$ C unless otherwise noted

Total Rotational Travel	360°
Rotational Torque	20 - 150 gf.cm
Rotational Life	50,000 cycles

Environmental Characteristics

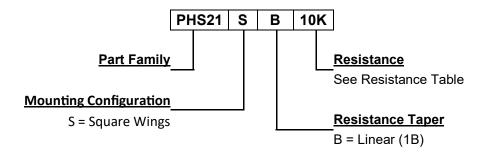
T_A = 25°C unless otherwise noted

Operating Temperature	-20°C to +105°C				
IP Rating	IP 40				
Soldering Condition	Wave Soldering 260°C maximum for 1-3 seconds				
	Hand Soldering 300°C maximum for 3 seconds				
RoHS	Please refer to TT Electronics website				
REACH	Please refer to TT Electronics website				

Packaging Information

Dianualu Fackaying Fiastic Hays	Standard Packaging	Plastic Trays
---------------------------------	--------------------	---------------

Ordering Information



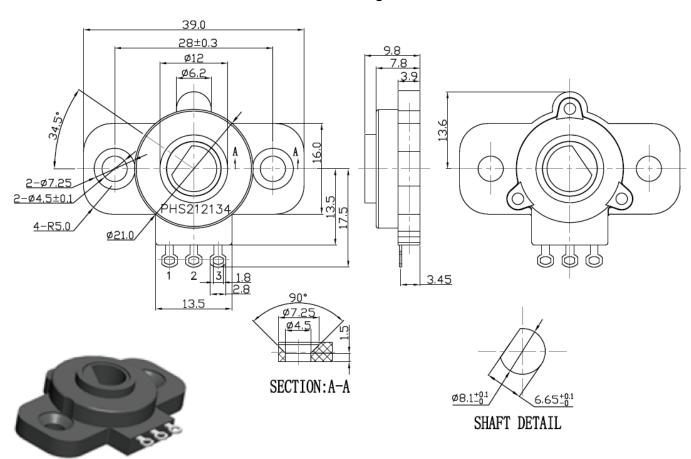
Resistance Table										
Resistance (Ohms)	1,000	2,000	5,000	10,000	20,000	50,000	100,000	200,000	500,000	1,000,000
Code	1K	2K	5K	10K	20K	50K	100K	200K	500K	1MEG

21 mm Rotary Potentiometer

PHS21 Series



Outline Drawing



Standard Taper

