## **Rotary Position Sensor**

### **PHS07**

# OBSOLETE

#### Features:

- Dust-proof construction protects the interior from dust, which maintains stable characteristics
- High accuracy and long life over 1 million cycles
- Stable output characteristics can be secured for external noise and temperature changes





#### **Electrical Specifications**

500Ω—1ΜΩ
±20%
B taper
DC 5V, AC 50V
0.01W
Less than ±2%
More than 100M $\Omega$ at DC 250V for 1 minute
250V AC for 1 minute

#### **Mechanical Specifications**

Total rotational angle	360° continuous
Rotational torque	Less than 50 gf .com
Pull strength of rotational shaft	500gf min

#### **Environmental Specifications**

Storage temperature	-40°C to +70°C
Operating temperature	-10°C to +70°C
Dry heat	70±2°C, 240±2h, ΔTR+5%/-30%
Cold	-30±2°C, 300±5h, without load, ΔTR±20%
Damp heat	70±2°C, 85% RH, 300±5h, ΔTR+35/-5%
Temperature cycles	-10°C-+70°C, 5 cycles, ΔTR ±10%
Rotational life	Standard life: 500,000 cycles min.; Long life: 1,000,000 cycles min.
Temperature characteristic	70±3°C, 5H, ΔTR+5%/-20%
Soldering condition	Wave soldering: 260±5°C sec max.; Manual soldering: 350°C±10°C 3 sec max.
Operating temperature range	-10°C—+70°C

General Note

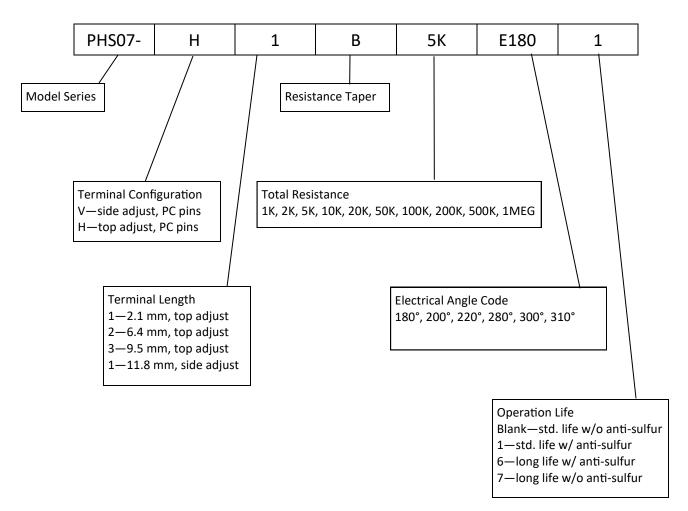
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#### How to Order



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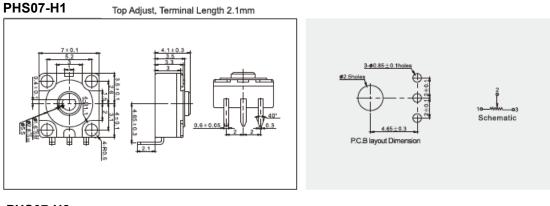
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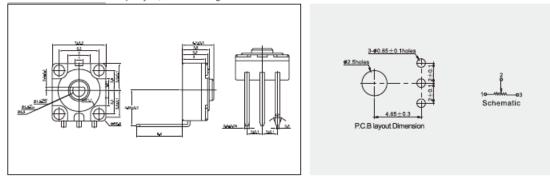
PHS07 OBSOLETE

Drawings



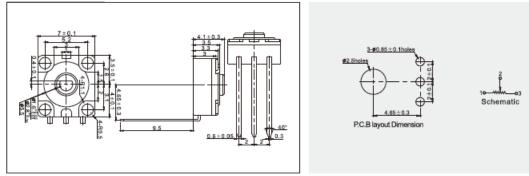


Top Adjust, Terminal Length 6.4mm



**PHS07-H3** 

Top Adjust, Terminal Length 9.5mm



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