

# 1/2" Round Rotary Potentiometer

## P265 Series



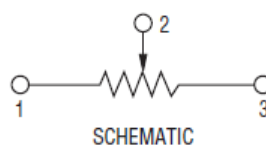
### Features:

- Resistance Range 500  $\Omega$  to 1M  $\Omega$
- Temperature Range -40°C to +120°C
- Rotational Cycles of 50,000 minimum
- PC Pins and Solder hook versions
- RoHS compliant
- **Direct Cross to Honeywell 392 / RV6**



### Description:

1/2" Round Rotary Potentiometer, with metal shaft and bushing. Options include audio and linear tapers; plain, flatted and slotted shaft types.



Single Gang

### Applications:

- Audio and visual equipment
- Hand held equipment
- Test and measurement equipment
- Communication equipment
- Laboratory and test equipment

## Electrical Characteristics

T<sub>A</sub> = 25°C unless otherwise noted

Resistance Range	500 $\Omega$ to 1M $\Omega$
Standard Resistance Tolerance	500 $\Omega$ < R < 1M $\Omega$ $\pm$ 10% R $\leq$ 500 $\Omega$ or R $\geq$ 1M $\Omega$ $\pm$ 20%
Residual Resistance	Term. 1~2: Less than 4 $\Omega$ Term: 2~3: Less than 4 $\Omega$
Resistance Taper	A, B, C, D
Maximum Operating Voltage	Linear Taper B: 200 Vac Other Tapers: 150 Vac
Rated Power	Linear Taper B: 0.5 W Others: 0.25 W
Dielectric Strength	1 minute at 500 Vac
Rotational Noise	Less than 100 mV
Insulation Resistance	More than 100 M $\Omega$ at 500 Vdc
Linearity tolerance	$\pm$ 5% Independent
Electrical rotation	265° $\pm$ 5°

#### General Note

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## Mechanical Characteristics

T<sub>A</sub> = 25°C unless otherwise noted

Mechanical Travel	300° ± 5°
Rotational Torque	20 gf.cm~200 gf.cm
Rotational Stop Strength	3.5 kgf.cm minimum
Shaft Pull Strength	3.5 kgf minimum for 60 seconds
Nut Tightening Strength	8 kgf.cm minimum
Rotational Life	50,000 Cycles minimum

## Environmental Characteristics

T<sub>A</sub> = 25°C unless otherwise noted

Operating Temperature	-40°C to +120°C
IP Rating	IP 64
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

Standard Packaging	Plastic Trays
Hardware	Flat washer and mounting nut

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## P265 Series



### Ordering Information

P265	P	1	1	S	20	N	C	B	10K
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**Part Family** \_\_\_\_\_

**Terminal Configuration** \_\_\_\_\_

P - PC Pins

S - Solder Hook

**Number of Gangs** \_\_\_\_\_

1 - 1 Gang

**Bushing Length "B"** \_\_\_\_\_

1 - .250"

2 - .500"

**Shaft Type** \_\_\_\_\_

P - Plain Shaft

F - Flatted Shaft

S - Slotted Shaft

**Shaft Length (mm) - "L"** \_\_\_\_\_

10/13/15/16/20/22/25/51

**Switch Option** \_\_\_\_\_

N - None

**Full CCW Position** \_\_\_\_\_

C (F and S shaft)

N (P Shaft only)

(see Note 1)

**Resistance Taper** \_\_\_\_\_

A - Audio (15A)

B - Linear (1B)

C - Reverse Audio (15C)

D - Audio (10A)

**Resistance** \_\_\_\_\_

See Resistance Table

Resistance Table

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

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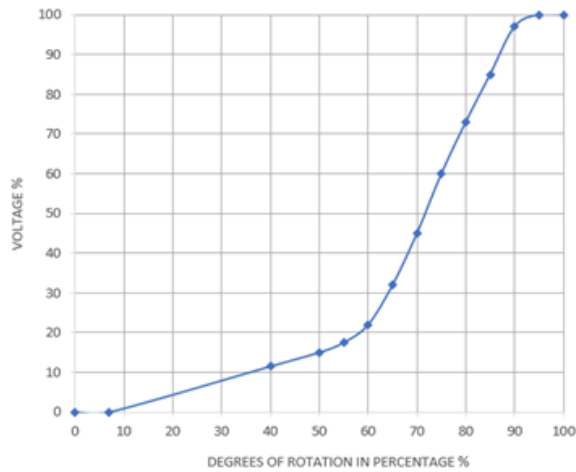
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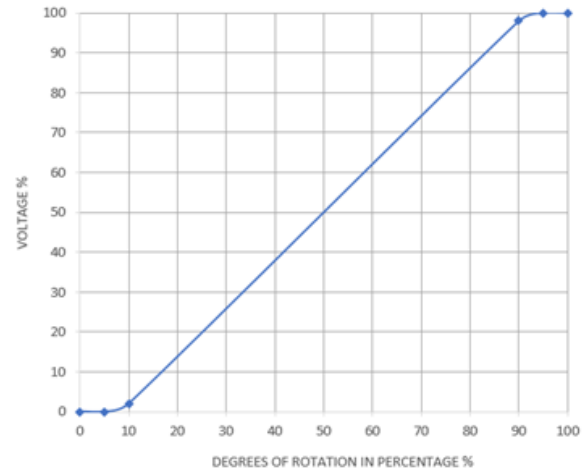


### Standard Tapers

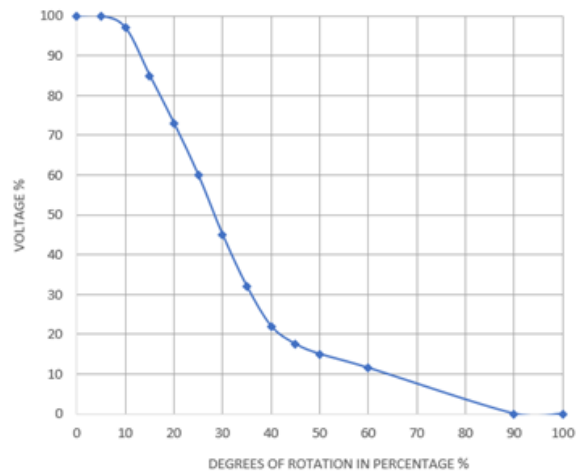
**"A" AUDIO (15A)**



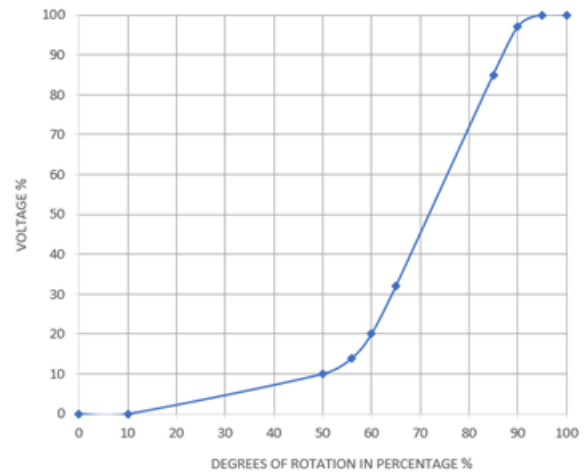
**"B" LINEAR (1B)**



**"C" REVERSE AUDIO (15C)**



**"D" AUDIO (10A)**



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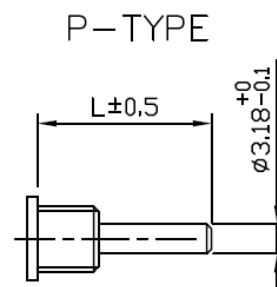
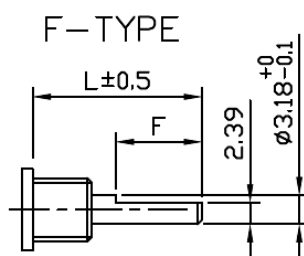
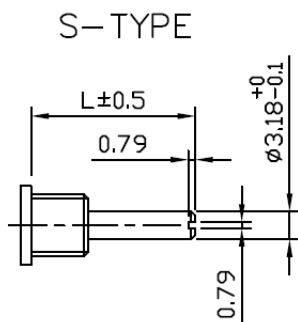


## Shaft Style & Length

F Type					
L	13	16	20	22	25
F	5	7	12	12	15

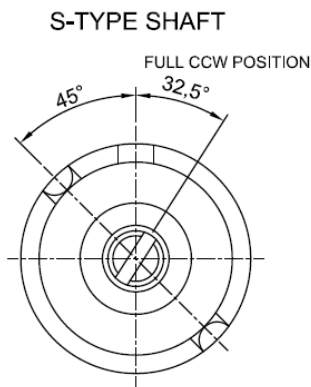
S Type						
L	10	15	20	22	25	51

P Type						
L	10	15	20	22	25	51

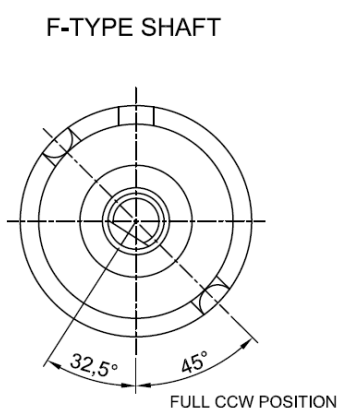


## Note 1 : Full CCW Position

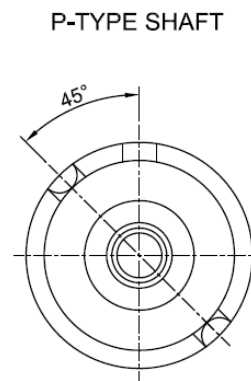
**C: for S-Type**



**C: for F-Type**



**N: None for P-Type**



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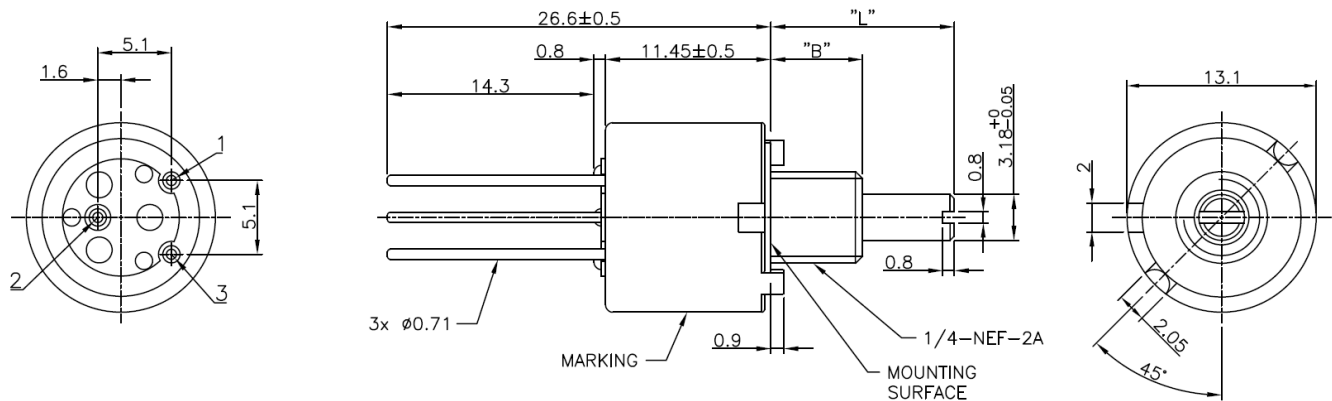
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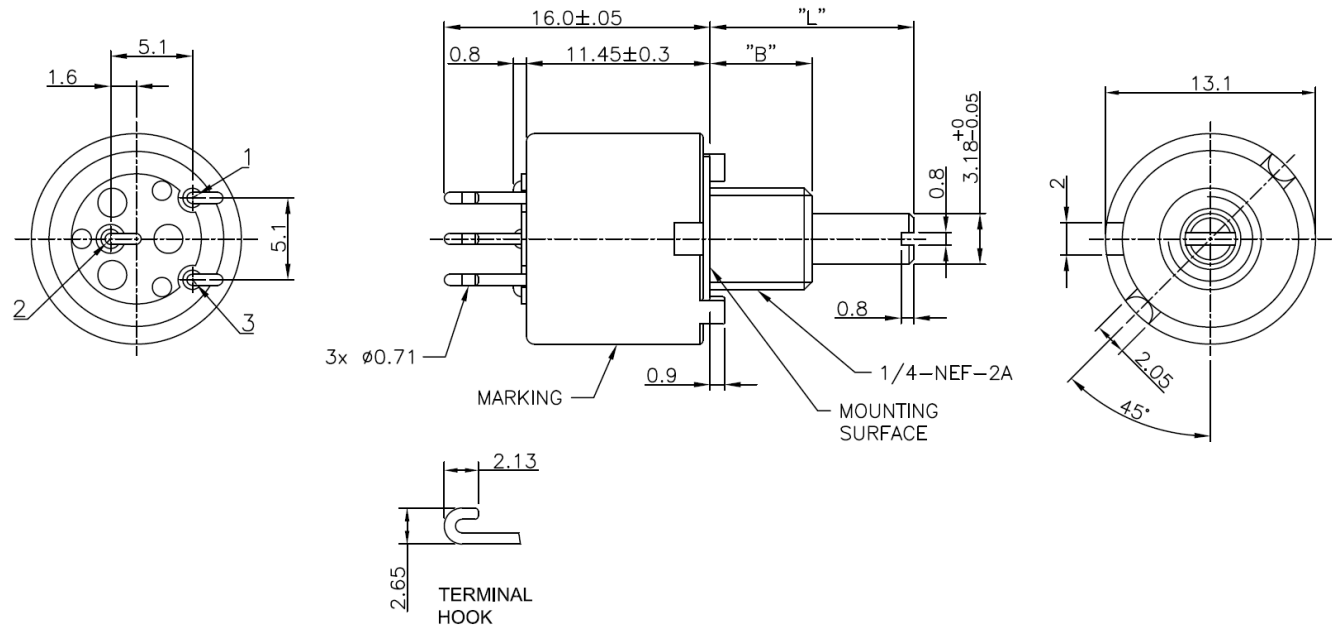
# 1/2" Round Rotary Potentiometer P265 Series



## OUTLINE DIMENSIONS P STYLE - PC PINS



## OUTLINE DIMENSIONS S STYLE - SOLDER HOOK



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