

# 1/2" Round Rotary Potentiometer

## P265 Series



**TT Electronics**  
**PRO AUDIO**



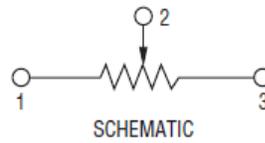
### Features:

- 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, flattened 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 $\Omega$ $\pm$ 20% R $\leq$ 500 $\Omega$ or R $\geq$ 1M $\Omega$ $\pm$ 30%
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

TT Electronics reserves the right to make changes in product specification without notice or liability. All information is subject to TT Electronics' own data and is considered accurate at time of going to print.

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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)

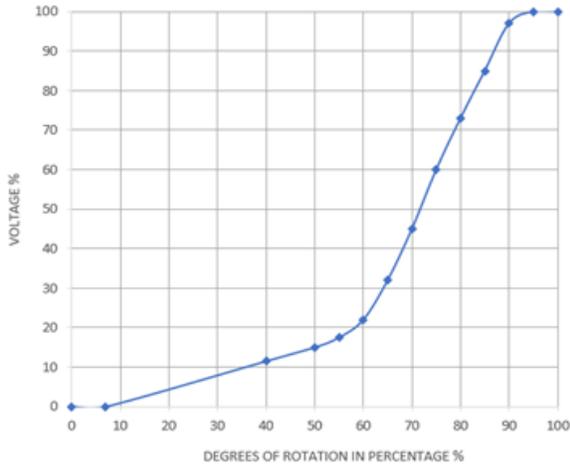
**Resistance** \_\_\_\_\_  
See Resistance Table

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

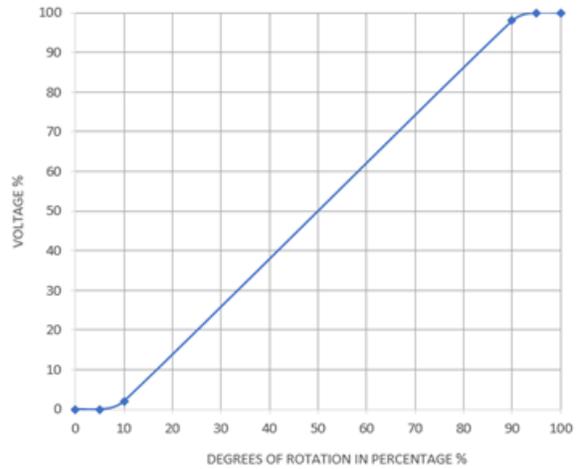
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**Standard Tapers**

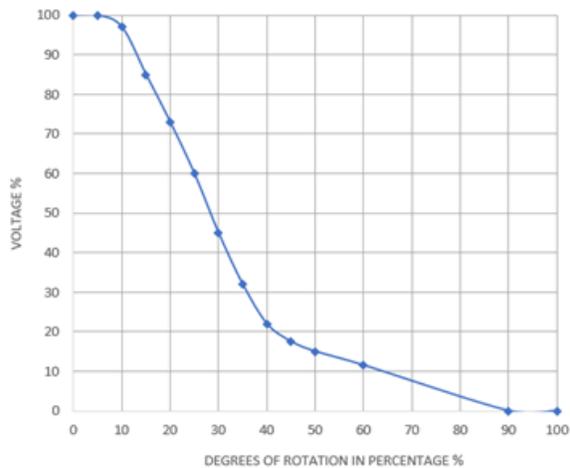
**"A" AUDIO (15A)**



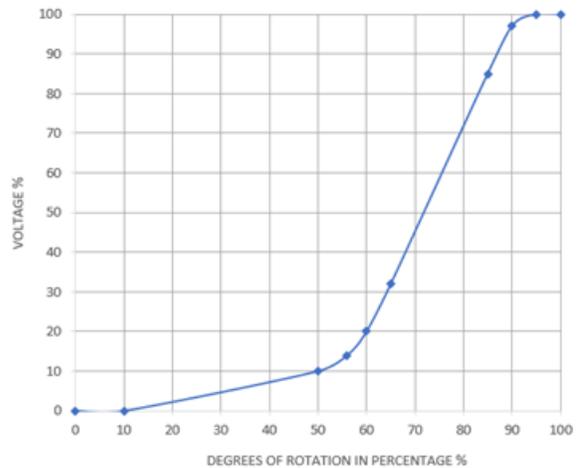
**"B" LINEAR (1B)**



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



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



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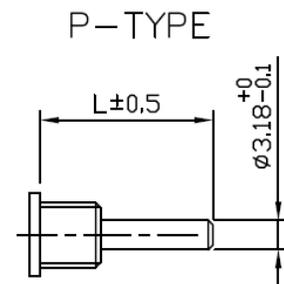
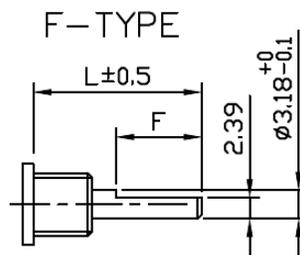
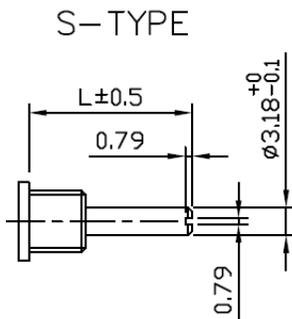


## Shaft Style & Length

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

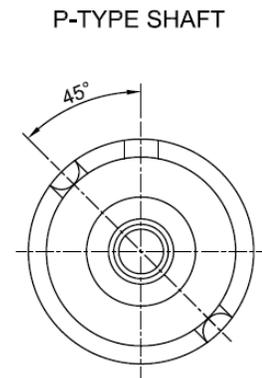
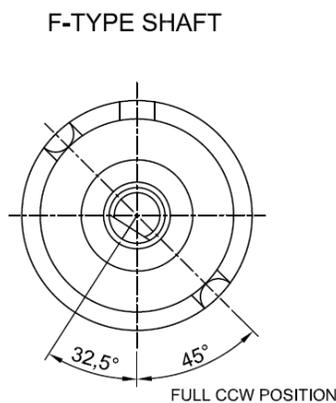
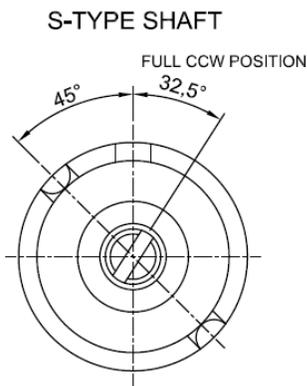


**Note 1 : Full CCW Position**

**C: for S-Type**

**C: for F-Type**

**N: None for P-Type**



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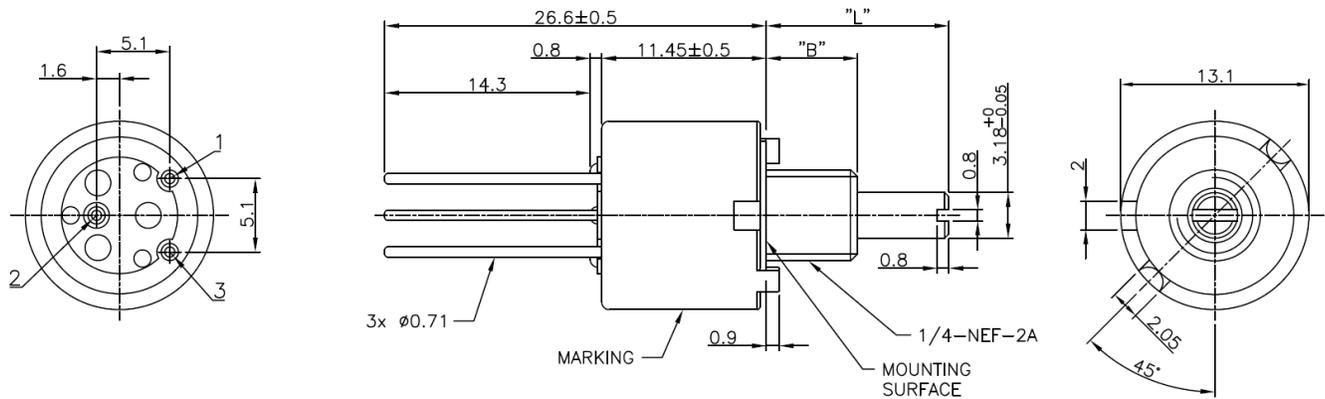
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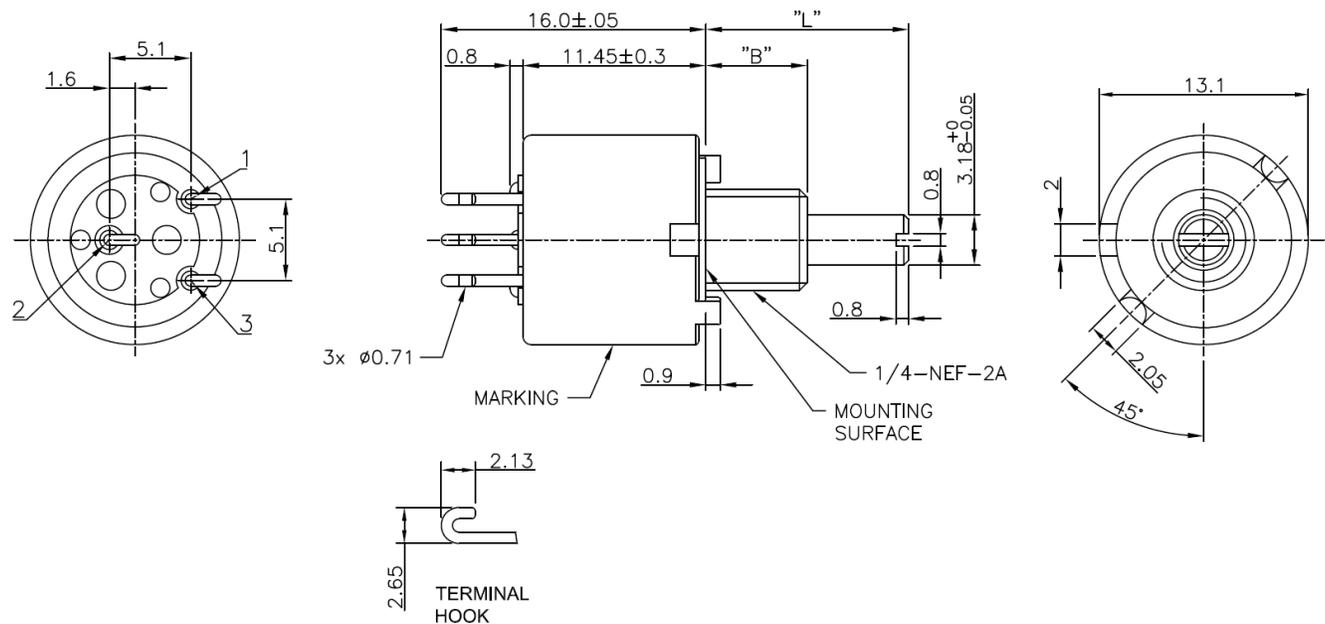
# 1/2" Round Rotary Potentiometer P265 Series



## OUTLINE DIMENSIONS P STYLE - PC PINS



## OUTLINE DIMENSIONS S STYLE - SOLDER HOOK



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