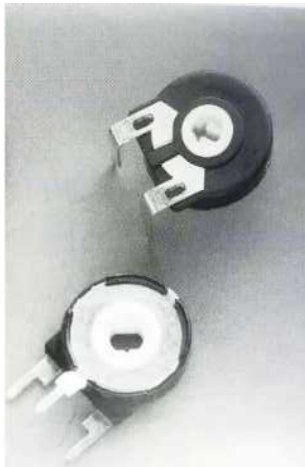




PT-15

15 mm Carbon
Potentiometer

FEATURES

- Carbon resistive element.
- Nnloy substrate
- Also upon request:
 - Shafts (Only for "N", "F" rotors types).
 - Low torque option
 - Wiper positioned at initial, 50% or fully clockwise.
 - Cut track option.
 - Special Tapers.
 - Mechanical detents (Only for "V15" with 38 detents).
- ROHS compliant*

MECHANICAL SPECIFICATIONS

- Mechanical rotation angle: $265^\circ \pm 10^\circ$
- Torque: 50 to 200gf.cm
- Stop torque: $> 1\text{Kgf.cm}$
- Life*: Up to 10K cycles

MATERIALS

- Driving plate&Housing:PA6
(Flammability rating:HB)
- Terminals:Tinned steel strip
- Reed: Tin bronze

ELECTRICAL SPECIFICATIONS

- Range of values*:
 $1\text{K}\Omega \leq R_n \leq 2\text{M}\Omega$
- Standard tolerance*: $\pm 20\%$
- Max. Voltage: 300 VDC
- Power rating 70°C :0.2W
- Taper*: Reverse log , Linear ,Log
- Residual resistance*: $\leq 10\Omega$
- Noise: $\leq 68\text{mV}$
- Operating temperature**: $-10^\circ\text{C} + 70^\circ\text{C}$

HOW TO ORDER

PT15	L	H01	-	504	B	2020	-	02
Series		Code	Mounting Method		Taper			
		H01	H2.5		A=Reverse log			
		H05	H5		B =Linear			
		V02	V12.5		C =Log			
		V12	VA12.5					
		V15	V15					
Rotor				Value	Tolerance	Wiper position		
L				102 = 1K	1010 = $\pm 10\%$	Blank = default wiper		
M				103 = 10K	2020 = $\pm 20\%$	01 = initial wiper		
N				504 = 500 K		02 = 50% $\pm 15^\circ$ wiper		
R				205 = 2 M		03 = fully wiper		
F								

How to order examples

PT15L H01-103B2020

15mm potentiometer with rotor "L" (arrow shape),"H01" Mounting method(horizontal adjustment), 10K value and 20% resistive tolerance.

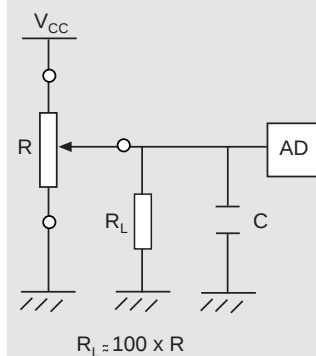
Standard values - tolerances

Resistance Ω	1K	2K	5K	10K	20K	25K	50K	100K	200K	250K	500K	1M	2M
How to order code	102	202	502	103	203	253	503	104	204	254	504	105	205
Standard tolerance	20%												

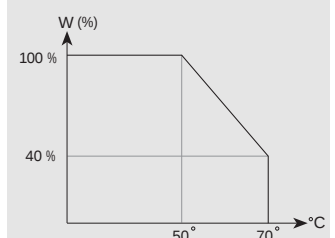
Typical weight

1 pc of PT15 weight: $1.32 \pm 0.03\text{g}$

Recommended connections



Power rating curve



Wipers positioned at initial (without shaft)



$X < 10 \pm 0.3\text{mm}$
 $10 \leq X < 30 \pm 0.5\text{mm}$
 $30 \leq X \leq 100 \pm 1\text{mm}$
 Angle: $\pm 5^\circ$

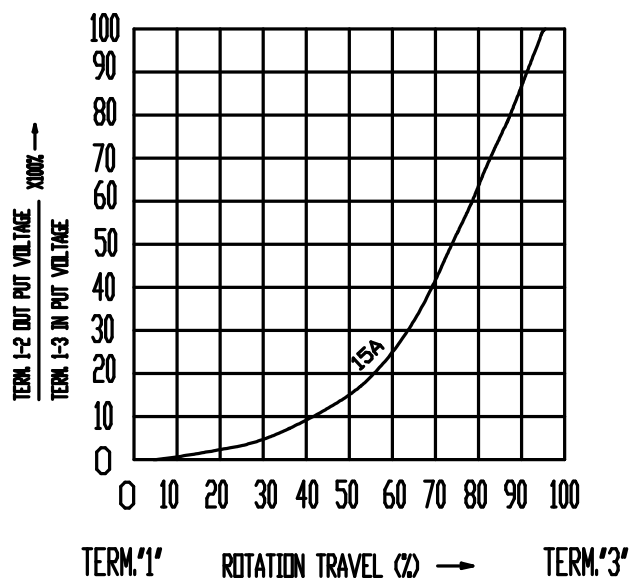
MECHANICAL LIFE (CYCLES)	1000 @ 10 CPM ...15 CPM
TEMPERATURE COEFFICIENT	-10°C; +70°C
Heat resistance	16 h. @ 85°C
Moisture resistance	96 h. @ 40°C @ 95% HR

NOTE : Out of range values may not comply these results.

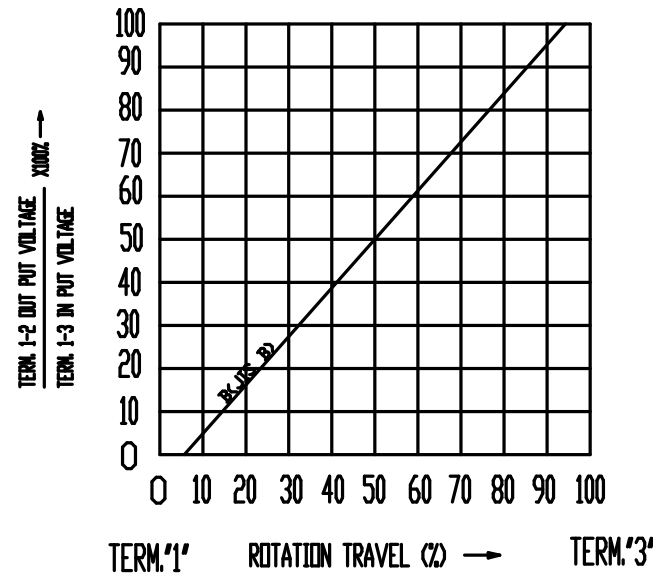
Wave soldering	260±5 °C , 5±1second
Manual soldering	Max 350°C , within 3 second

Tapers

TAPERS (A) SERIES



TAPERS (B) SERIES



TAPERS (C) SERIES

