CP27-S (Potentiometer)

POTENTIOMETER

Conductive Plastic

Low rotational noise level

Shielded between circuits

Shield plate behind resistor board as standard equipment

Photo in preparation

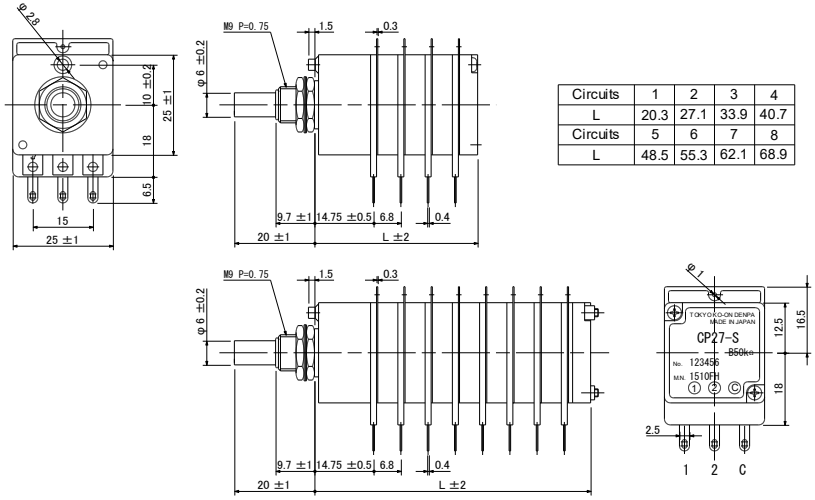
Model number

2	CP27	S	-	B	10K	-S
Number of circuit (**2~8**) **Blank**: single circuit	Product type	Mechanical click option **Blank**: Without click **S**: With click (15degrees step) **C**: Center click		Taper **A**: Taper-A **B**: Taper-B **C**: Taper-C	Total resistance	With shield plate

Dimensions

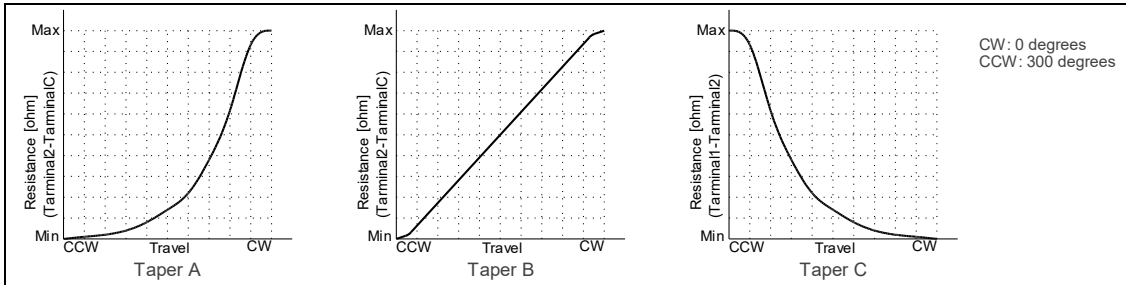
CP27-S - 4CP27-S

5CP27-S - 8CP27-S

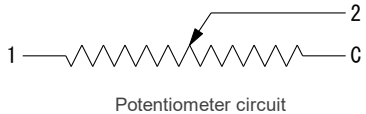


Circuits	1	2	3	4
L	20.3	27.1	33.9	40.7
Circuits	5	6	7	8
L	48.5	55.3	62.1	68.9

Output Law



Circuit method



Potentiometer circuit

Electrical specifications

	CP27-A-S	CP27-B-S	CP27-C-S
Circuit (Unbalanced)	Potentiometer circuit		
Total resistance (1-C)	5k, 10k, 50k, 100kohm		
Total resistance tolerance	±20%		
Taper tolerance (150 degs.)	10~25%	40~60%	10~25%
Residual resistance	Terminal2-C: 1% or 100ohm Terminal1-2: 1%	Terminal1-2 & 2-C: 1% or 100ohm	Terminal1-2: 1% or 100ohm Terminal2-C: 1%
Matching accuracy(150degs)	3dB Max.		
Voltage proof	1 Min. at AC500V		
Insulation resistance	50Mohm or more at DC500V		
Max rating	DC20V (0.1W)		
Rotational noise level	47mV or less (by JIS C 6443)		
Rotational life	100,000 Cycles Min. (18cycles/min)		

Mechanical specifications

	CP27-S
Operating angle	300 degrees ±5 degrees
Rotational torque	0.1~1.5Ncm (Different by number of circuit)
Strength of Nut-Attached	50Ncm
Attached Parts	Hexagonal nut (M9)
Stopper strength	50Ncm
Push-pull strength	50N

General specifications

	CP27-S
Temperature range	-10 to +70 degrees C (Operating), -15 to +75 degrees C (Storage)
Relative humidity	90%RH (No condensation)

Note

* Solder heat resistance: 350degrees C max, 5sec max, to twice. (Manual soldering only)
* Special order of the shaft length is possible. Please contact us for details.