

Type-P2510, Type-P2520 Series

Au-plated contacts

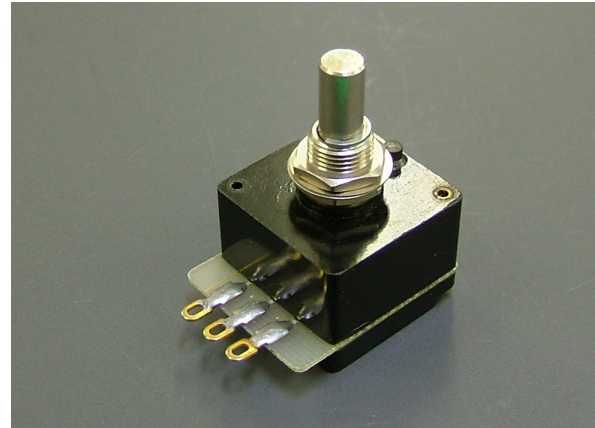
Low contact resistance

Small size

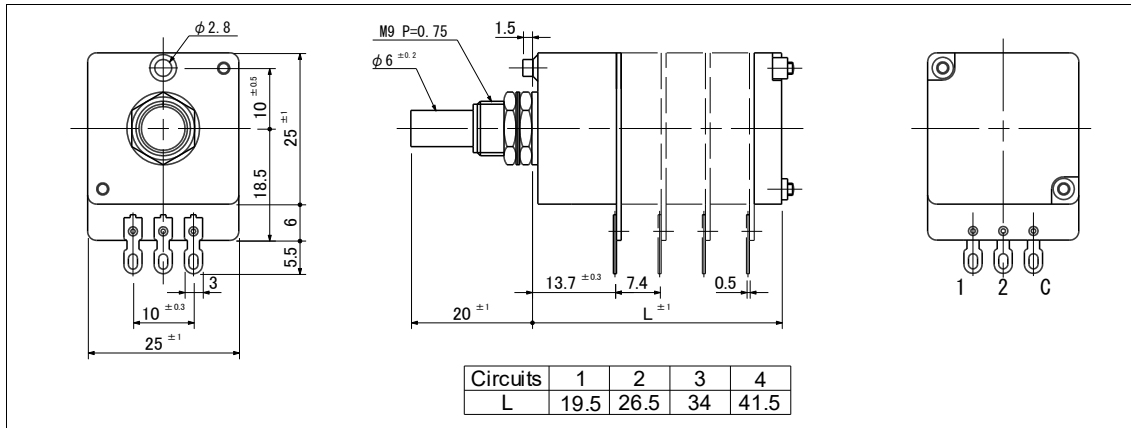
25mm square

Multiple contact

22 or 21 positions



Dimensions



Standard lineups

Model number	Max attenuation	Attenuation types	Total number of steps	Cut off	Direction of attenuation
P2511	50dB	BTS-50dB	21	With	CCW
P2512			20	-	
P2513			21	With	
P2514			20	-	
P2515	20dB	1dB x 20	21	With	
P2516			20	-	
P2517	10dB	0.5dB x 20	21	With	
P2518			20	-	
P2523	40dB	2dB x 20	21	With	CW
P2524			20	-	
P2525	20dB	1dB x 20	21	With	
P2526			20	-	
P2527	10dB	0.5dB x 20	21	With	
P2528			20	-	

The products and their specifications are subject to change without notice.
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ATTENUATOR

Model number

Standard type

2

Number of circuit
(2~4)
Blank: single circuit

P2512

Model No.
(P2511~P2528)

S

Mechanical click option
Blank: Without click
S: With click (15degrees step)

- **10K**

Total
resistance

P2511 - 10kohm load type

2

Number of circuit
(2~4)
Blank: single circuit

P2511

Model No.
*P2511 model only

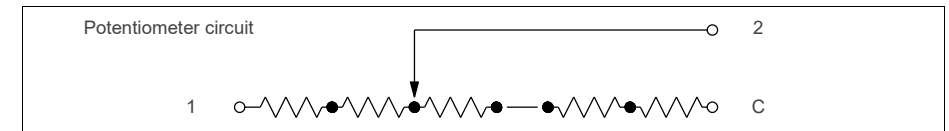
S

Mechanical click option
Blank: Without click
S: With click (15degrees step)

- **10KL10K**

Total resistance
10kohm load type
*10KL10K type only

Circuit method



Electrical specifications

	P2510, P2520 Series
Circuit method	Potentiometer (stepped)
Attenuation (Load: high)	0, 2, 4, ... (2dB step) ... , 30, 32, 34, 37, 42, 50 (BTS-50dB)
Attenuation accuracy	±0.3dB
Max attenuation	50dB ±0.6dB (BTS-50dB)
Cut off	80dB Min.
Matching accuracy	0.5dB or less (0dB - 50dB)
Number of circuit	1 ~ 4
Total resistance	1kohm, 7kohm, 10kohm, 100kohm ±3%
Insertion loss	0.3dB or less
Input level	Max. 0.1W
Frequency range	DC ~ 20kHz
Voltage proof	1 Min. at AC500V
Insulation resistance	100Mohm or more at DC500V
Rotational life	30,000 Cycles Min. (18cycles/min, Attenuation accuracy: ±0.5dB or less)

Mechanical specifications

	P2510, P2520 Series
Operating angle	15degrees x (Total number of steps) ±2degrees
Step angle	15degrees ±1degrees
Strength of nut-attached	50Ncm
Attached parts	Hexagonal nut (M9)
Stopper strength	50N
Push-pull strength	50N

Other specifications

	P2510, P2520 Series
Temp. 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, 2 times. (Manual soldering only)
- * Special order of the shaft length is possible. Please contact us for details.
- * Load:high - High impedance: Infinity. (or more than 20 times of total resistance)