

Type-P2510, Type-P2520 Series

ATTENUATOR

Au-plated contacts

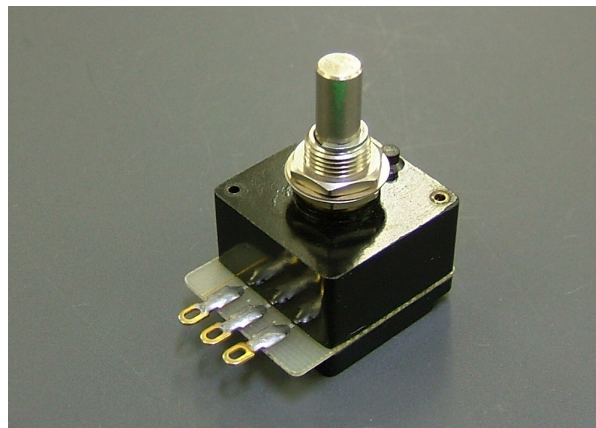
Low contact resistance

Small size

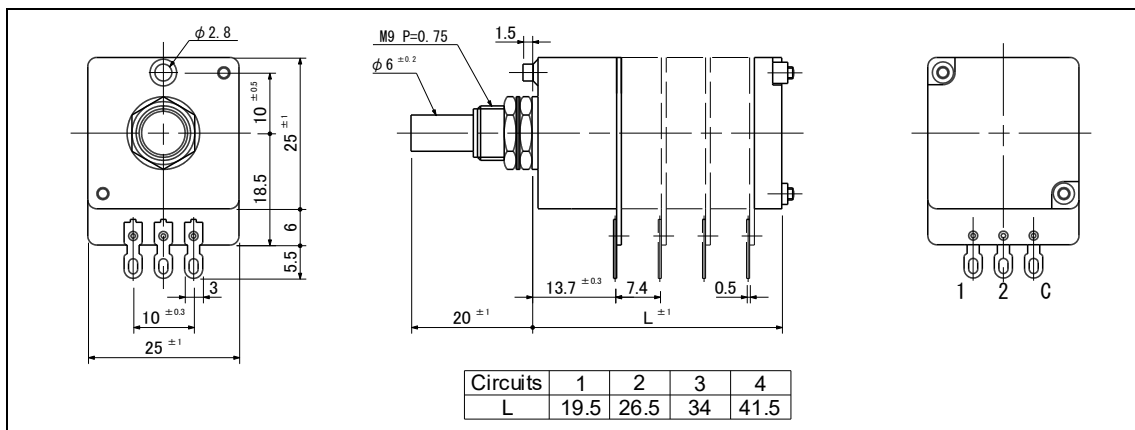
25mm square

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 | | | 21 | With | |
| P2526 | | | 20 | - | |
| P2527 | 20dB | 1dB x 20 | 21 | With | |
| P2528 | | | 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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Model number

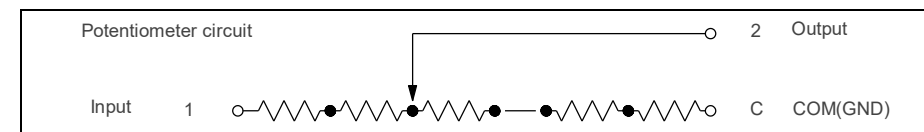
Standard type

| | | | |
|---|-------------------------|---|------------------|
| 2 | P2512 | S | - 10K |
| Number of circuit (2-4) Blank: single circuit | Model No. (P2511~P2528) | Mechanical click option Blank: Without click S: With click (15degrees step) | Total resistance |

P2511 - 10kohm load type

| | | | |
|---|-----------------------------|---|--|
| 2 | P2511 | S | - 10KL10K |
| Number of circuit (2-4) Blank: single circuit | Model No. *P2511 model only | Mechanical click option Blank: Without click S: With click (15degrees step) | 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)