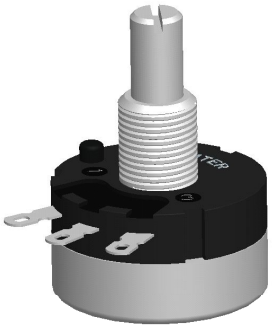
24MM 标准回转型电位器

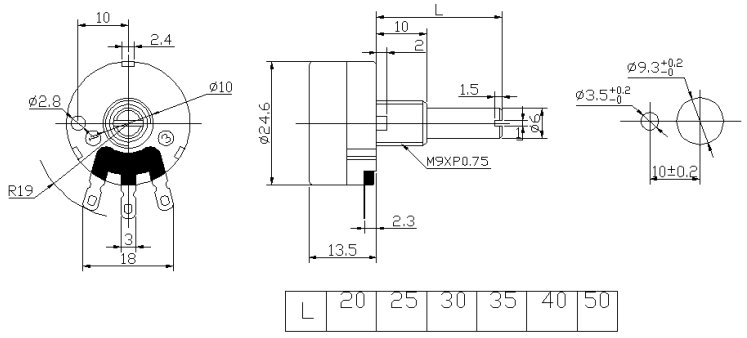
24mm SIZE STANDARD ROTARY POTENTIOMETERS

Model

RV24YN



Dimensions



Specifications

Electrical

Standard Resistance Range.....B = 50Ω to 2MΩ
A.C = 1kΩ to2MΩ
resistance Tolerance.....±10% standard
End Resistance.....3Ω max.
Resistance Taper.....B = linear; A = CW audio (logarithm);
C = CCW audio (logarithm)
Peak Noise (C.R.V.).....3% or 3Ω. whichever is greater
Power Rating.....B = 0.25 watt; A,C = 0.125 watt
at +40°C. 0 watt at +85℃
Maximum Input Voltage..... .....B = 315VDC; A.C = 200VDC
or power rating, whichever is smaller
Insulation Resistance..... ...100MΩ minimum at 1.000VDC
Dielectric Strength..... 1,000VAC, 1 minute
Adjustment Travel.....280°±10°

Mechanical

Mechanical Travel.....300°±5°
Shaft Torque
Single Unit.....51 to 306 gf.cm (0.707 to 4.242 oz•in)
Other Units.....51 to 510 gf.cm (0.707 to 7.070 oz•in)
Stop Strength .....9.18 kgf.cm (127.26 oz.in) max.
Mounting Nut Torque.....15 kgf.cm (207.94 oz.in) max.
Solderability..... 235℃ 5 seconds
Marking .....Model type, taper, resistance code.
shaft type, terminal identification, date code

Environmental

Temperature Range.....-10°C to +85°C
temperature Characteristics.....+85°C, 30 minutes
without load
R ≤ 10kΩ →△T/R≤±6%
10kΩ <R<1MΩ→△T/R ≤±10%
R≥1MΩ→△T/≤±15%
Load Life.....+40°C. 1,000 hours with rated load
AT/R ≤ ±10%
Moisture and Load Life.....+40°C.90-95%RH.
500 hours with rated load
R < 100kΩ →△T/R ≤-10%- + 15%
R ≥ 100kΩ →△T/R ≤-10%-+20%
Thermal Shock.....-10℃~+85℃.
5 cycles without load
△T/R ≤ ±10%
Vibration.....10-55Hz, 1.5mm amplitude.
3 directions. 2 hours each
△T/R ≤ ±2.5%
Soldering Heat Resistance.....350°C. 3 seconds
△T/R≤±2%
Rotational Life.....15.000 cycles (500 cycles for shaft lock
models only) without load
△T/R ≤±7%

Standard Rotary Switches

Switch Rating.....110VAC, 1A or 3A. SPDT or SPST
Contact Resistance.....0.05Ω max.
Operating Torque..... 1,530 gf.cm (21.21 oz•in) max.
Operating Life.....10.000 cycles without load
R. Total Resistance Value；△T/R. Total Resistance Change

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