

1/4" Square, Multi-Turn, Through-Hole Sealed Cermet Trimmers



Features

- 1/4" square, multi-turn, through-hole, sealed cermet trimmers
- 11-turn design for more accurate setting
- State-of-the-art brush contact design
- Stop-clutch action at ends of element
- Top and side adjust models
- Meets UL 94V-0 flammability requirements
- Sealed to withstand wave soldering and immersion cleaning

Specifications

Electrical

Standard Resistance Range	100Ω to 5MΩ (standard 1, 2 & 5 sequence plus 3MΩ rating)
Resistance Tolerance	±10% and ±20% (up to 2MΩ) +30%, -20% (3MΩ and 5MΩ)
End Resistance	1% or 2Ω, whichever is greater
Resistance Taper	Linear
Peak Noise (C.R.V.)	2% or 3Ω, whichever is greater
Power Rating	0.25 watt at +70°C, 0 watt at +125°C
Maximum Input Voltage	300VDC or power rating, whichever is smaller
Temperature Coefficient	±100ppm/°C, 200Ω to 1MΩ ±250ppm/°C, other value
Insulation Resistance	1,000MΩ minimum at 500VDC
Dielectric Strength	600VAC, 1 minute
Adjustment Travel	8.5 turns ±1

Mechanical

Mechanical Travel	11 turns ±1
Shaft Torque	200 gf•cm (2.77 oz•in) max.
Stop Strength	Clutch action
Flammability of Plastic Materials	Meets UL 94V-0
Nominal Weight	0.3g
Marking	Resistance code, date code, model type, terminal identification

Environmental

Temperature Range	-55°C to +125°C
Low Temperature Operation	-55°C, 0.25 watt, 1 hour ΔT/R ≤ ±2%
High Temperature Exposure	+125°C, 250 hours ΔT/R ≤ ±2%, S.S. ≤ ±1%
Load Life	+70°C, 0.25 watt, 1,000 hours ΔT/R ≤ ±2%, S.S. ≤ ±3%
Thermal Shock	-55°C, +125°C, 30 minutes each, 5 cycles ΔT/R ≤ ±1%, S.S. ≤ ±1%
Shock	100G, 6ms, 6 directions, 3 times each ΔT/R ≤ ±1%, S.S. ≤ ±1%
Vibration	10-2,000Hz, 1.5mm amplitude, 20G, 12 hours ΔT/R ≤ ±1%, S.S. ≤ ±1%
Humidity	+40°C, 90-95%RH, 0.25 watt, 500 hours ΔT/R ≤ ±3%, S.S. ≤ ±1%
Moisture Resistance	-10°C to +65°C, 80-98%RH, 0.25 watt, 10 cycles, 240 hours ΔT/R ≤ ±3%
Soldering Heat Resistance	350°C, 3 seconds ΔT/R ≤ ±1%
Seal Test	+85°C, hot water for 1 minute
Rotational Life	200 cycles without discontinuity ΔT/R ≤ ±5%

ΔT/R = Total Resistance Change; S.S. = Setting Stability (voltage ratio)

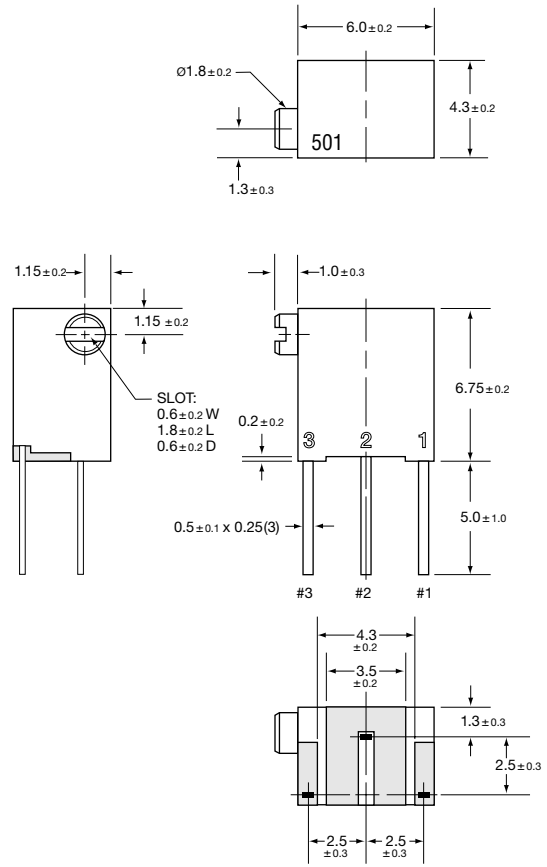
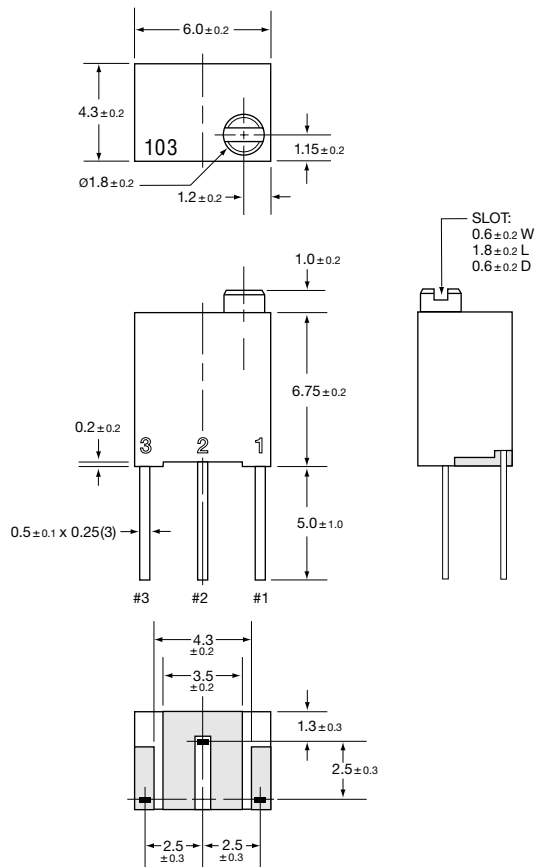
RJC26W

W Terminal Style, Single-Slot, Top Adjust

RJC26X

X Terminal Style, Single-Slot, Side Adjust

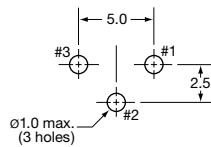
Unit: mm



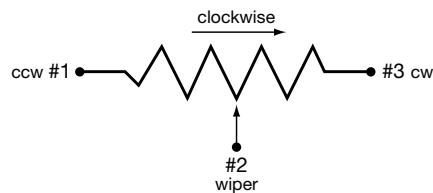
Recommended PCB Layout

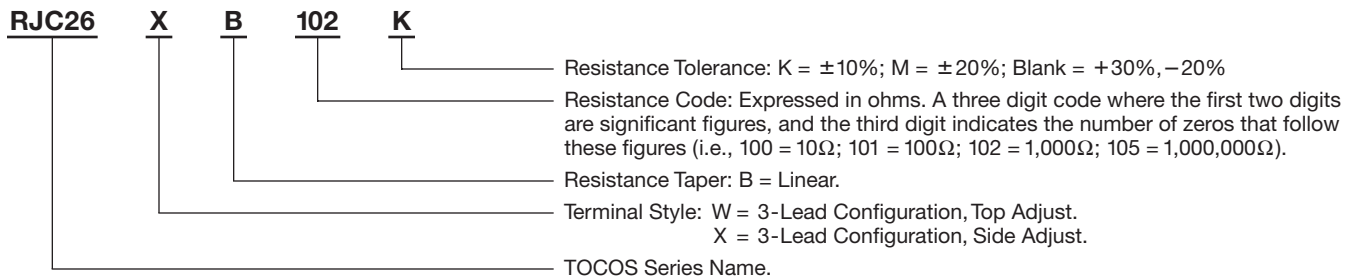
W & X Pin-Out

Unit: mm



Electrical Schematic





Part Numbers

Nominal Resistance		Catalog No. Bulk		Potentiometer Styles
Value (Ω)	Code	Resistance Tolerance ±10%	Resistance Tolerance ±20%	

RJC26W Through-Hole, W Terminal Style, Single-Slot, Top Adjust

100	101	RJC26W B 101 K	RJC26W B 101 M
200	201	RJC26W B 201 K	RJC26W B 201 M
500	501	RJC26W B 501 K	RJC26W B 501 M
1,000	102	RJC26W B 102 K	RJC26W B 102 M
2,000	202	RJC26W B 202 K	RJC26W B 202 M
5,000	502	RJC26W B 502 K	RJC26W B 502 M
10,000	103	RJC26W B 103 K	RJC26W B 103 M
20,000	203	RJC26W B 203 K	RJC26W B 203 M
50,000	503	RJC26W B 503 K	RJC26W B 503 M
100,000	104	RJC26W B 104 K	RJC26W B 104 M
200,000	204	RJC26W B 204 K	RJC26W B 204 M
500,000	504	RJC26W B 504 K	RJC26W B 504 M
1,000,000	105	RJC26W B 105 K	RJC26W B 105 M
2,000,000	205	RJC26W B 205 K	RJC26W B 205 M
3,000,000	305	RJC26W B 305 (+30%, −20% resistance tolerance)	
5,000,000	505	RJC26W B 505 (+30%, −20% resistance tolerance)	



RJC26W

RJC26X Through-Hole, X Terminal Style, Single-Slot, Side Adjust

100	101	RJC26X B 101 K	RJC26X B 101 M
200	201	RJC26X B 201 K	RJC26X B 201 M
500	501	RJC26X B 501 K	RJC26X B 501 M
1,000	102	RJC26X B 102 K	RJC26X B 102 M
2,000	202	RJC26X B 202 K	RJC26X B 202 M
5,000	502	RJC26X B 502 K	RJC26X B 502 M
10,000	103	RJC26X B 103 K	RJC26X B 103 M
20,000	203	RJC26X B 203 K	RJC26X B 203 M
50,000	503	RJC26X B 503 K	RJC26X B 503 M
100,000	104	RJC26X B 104 K	RJC26X B 104 M
200,000	204	RJC26X B 204 K	RJC26X B 204 M
500,000	504	RJC26X B 504 K	RJC26X B 504 M
1,000,000	105	RJC26X B 105 K	RJC26X B 105 M
2,000,000	205	RJC26X B 205 K	RJC26X B 205 M
3,000,000	305	RJC26X B 305 (+30%, −20% resistance tolerance)	
5,000,000	505	RJC26X B 505 (+30%, −20% resistance tolerance)	



RJC26X

Packaging

Standard:

Bulk Packaging

Quantity

50 pieces per vinyl bag.

500 pieces per box.

Soldering and Cleaning Guidelines

For soldering, cleaning and other information, refer to Guidelines and Precautions for Using Potentiometers.