

Features

- Surface Mount 3 mm Square Single-Turn Cermet / Sealed
- Compatible with surface mount manufacturing processes (not recommended for wave soldering)
- Rotor stop for "in-circuit" adjustment
- 100 cycle rotational and seal life

- Plastic housing for RF applications
- Reverse pin layout option (Model 3313X)

Position Rotor As Shown

Within ±11° Of Centerline Of Terminal 2

1

Of Terminal 2

(1)

 $\frac{0.15 \pm 0.03}{(.006 \pm .001)}$

(.146)

Position Rotor As Shown

Within ±11° Of Centerline

(.142)

ADJ. SLOT

 $(.076 \pm .001)$

1.15 TYP

(.045)

(.062)

CLOCKWISE

1.12 (.044) 2 PLCS

 $\frac{.45 \pm 0.03}{(.018 \pm .001)}$ WIDE

1.93 ± 0.03 LONG

 $\frac{.51 \pm 0.06}{(.020 \pm .002)}$ DEEP

3.61 ± .20

 $(.142 \pm .008)$

ADJ. SLOT

 52 ± 0.03 (.020 ± .001)

 $(.076 \pm .001)$

 $\times \frac{1.93 \pm 0.03}{1.93 \pm 0.03}$ LONG

 $\frac{.51 \pm 0.06}{(.020 \pm .002)}$ DEEP

WIDE

- RoHS compliant*
- Halogen free models available
- AEC-Q200 Qualified Grade 1

3313 - 3 mm Trimpot® Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 ohms to 2 megohms (see standard resistance table) Resistance Tolerance ±20 % std. End Resistance 1 % or 3 ohms max. (whichever is greater) Contact Resistance Variation3 % or 3 ohms Adjustability Voltage Divider.....±0.1 % Rheostat.....±0.2 % Resolution Infinite Insulation Resistance 500 vdc. 100 megohms min. Dielectric Strength Sea Level...... 500 vac 70,000 Feet350 vac

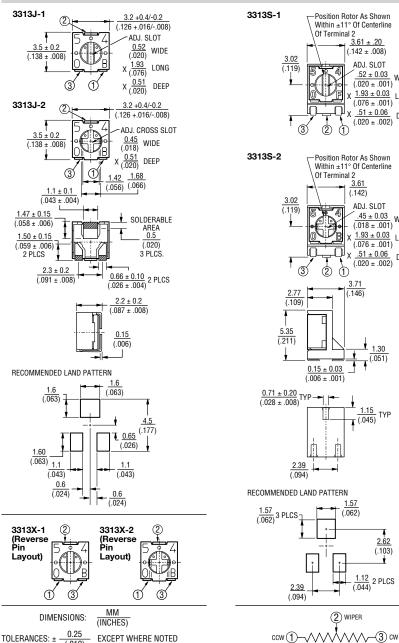
Adjustment Angle 220° nom.

Environmental Characteristics Max. Soldering Exposure250 °C/10 seconds Power Rating (200 volts max.) 70 °C0.125 watt 125 °C0 watt Operating Temp. Range-55 °C to +125 °C Temperature Coefficient≤100 ohms ±150 ppm/°C;>100 ohms ±100 ppm/°C Seal Test..85 °C Fluorinert 7/60 seconds Humidity MIL-STD 202, Method 106 (no vibration) TRS ±3 %; IR 10 megohms Vibration20 G TRS ±1 %; VRS ±1 % Shock 100 G TRS ±1 %; VRS ±1 % Load Life......1000 hours @ 70 °C Rated Power;TRS ± 3 % Rotational Life 100 cycles TRS ±3 % Thermal Shock5 cycles TRS ±2 %; VRS ±1 %

Physical Characteristics

Mechanical Angle 250 ° nom. Torque.....50 g-cm max. Stop Strength200 g-cm min. Pushover Strength ("S" Style only) 1.6 Kilograms (3.5 lbs) minimum FlammabilityU.L. 94V-0 Weight Approx. 0.01 oz. Marking.....Resistance code and date code Wiper50 % (Actual TR) ±10 % Standard Packaging J, X Styles (MSL-1)1000 pcs./7 " reel S Style (MSL-1)..... 200 pcs./7 " reel Adjustment Tool......H-91

Product Dimensions





Halogen free product is identified by a black housing color. Bourns follows the prevailing definition of "halogen free" in the industry. Bourns considers a product to be "halogen free" if (a) the Bromine (Br) content is 900 ppm or less; (b) the Chlorine (CI) content is 900 ppm or less; and (c) the total Bromine (Br) and Chlorine (CI) content is 1500 ppm

†"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

Users should verify actual device performance in their specific applications.

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Features (Continued)

- See <u>processing information</u> on RoHS compliant surface mount trimmers
- For trimmer applications/processing guidelines, click here

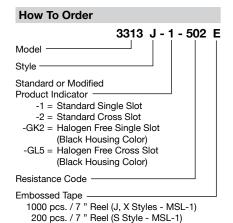
3313 - 3 mm Trimpot® Trimming Potentiometer

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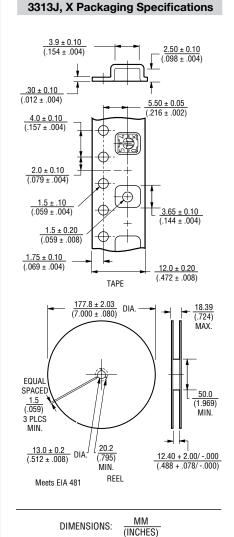
Standard Resistance Table

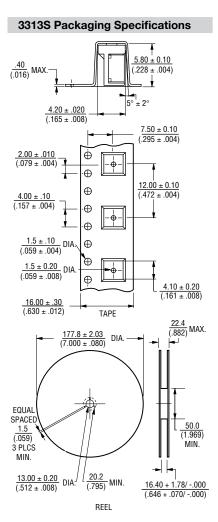
Resistance (Ohms)	Part Marking Code	Resistance Code
10	A1	100
20	21	200
50	51	500
100	A2	101
200	22	201
500	52	501
1,000	A3	102
2,000	23	202
5,000	53	502
10,000	A4	103
20,000	24	203
50,000	54	503
100,000	A5	104
200,000	25	204
500,000	55	504
1,000,000	A6	105
2,000,000	26	205

Popular distribution resistance values listed in boldface. Special resistances available.



Tape and reel material meets Antistatic ANSI/ESD 5541-2003 packaging standards.





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