

Features

- Surface Mount 3 mm Square Single-Turn Cermet / Sealed
- Compatible with surface mount manufacturing processes (not recommended for wave soldering)

3313 – 3 mm Trimpot[®] Trimming Potentiometer

- Rotor stop for "in-circuit" adjustment
- 100 cycle rotational and seal life
- Plastic housing for RF applications
- Reverse pin layout option (Model 3313X)
- RoHS compliant*
- Halogen free models available
- AEC-Q200 Qualified Grade 1

Additional Information

Click these links for more information:

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PRODUCT	<u>INVENTORY</u>	<u>SAMPLES</u>	<u>CONTACT</u>

Electrical Characteristics

Standard Resistance F 	0			
Resistance Tolerance	,			
End Resistance1	% or 3 ohms max.			
(wh	nichever is greater)			
Contact Resistance Variation				
	3 % 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 Feet	350 vac			
Adjustment Angle	220° nom.			

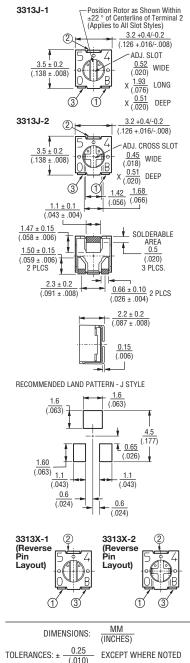
Environmental Characteristics

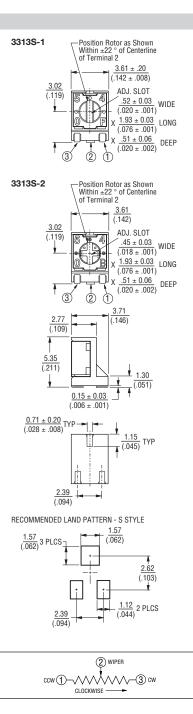
Max. Soldering Exposure				
Power Rating (200 volts max.)				
70 °C 0.125 watt				
125 °C0 watt				
Operating Temp. Range				
Temperature Coefficient				
≤100 ohms ±150 ppm/°C;				
>100 ohms ±100 ppm/°C				
Seal Test 85 °C Fluorinert [†] /60 seconds				
Humidity MIL-STD 202, Method 106				
(no vibration) TRS ±3 %;				
IR 10 megohms				
Vibration 20 G TRS ±1 %; VRS ±1 %				
Shock 100 G TRS ±1 %; VRS ±1 %				
Load Life1000 hours				
@ 70 °C Rated Power;TRS ± 3 %				
Rotational Life 100 cycles TRS ±3 %				
Thermal Shock5 cycles				
TRS ±2 %; VRS ±1 %				



* RoHS Directive 2015/863, Mar. 31, 2015 and Annex.

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 or less. +"Fluorinert" is a registered trademark of 3M Co.

Specifications are subject to change without notice.

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Users should verify actual device performance in their specific applications.

Features (Continued)

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

3313 – 3 mm Trimpot[®] Trimming Potentiometer

Physical Characteristics

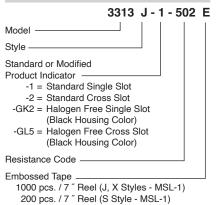
Mechanical Angle Torque Stop Strength	50 g-cm max.
Pushover Strength ("S"	
1.6 Kilograms	,
Flammability	· · · ·
Weight	
Marking	Resistance code
	and date code
Wiper 50 %	(Actual TR) ±10 %
Standard Packaging	
J, X Styles (MSL-1)	1000 pcs./7 " reel
S Style (MSL-1)	200 pcs./7 " reel
Adjustment Tool	H-91

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.

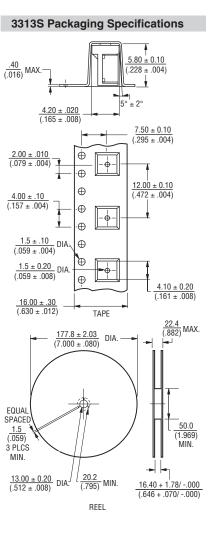
How To Order



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

$\frac{3.9 \pm 0.10}{(.154 \pm .004)}$ $\frac{2.50 \pm 0.10}{(.098 \pm .004)}$ 30 ± 0.10 (.012 ± .004) 5.50 ± 0.05 (.216 ± .002) 4.0 ± 0.10 (.157 ± .004) Œ H. ŧ 2.0 ± 0.10 $\frac{100 \pm 0.100}{(.079 \pm .004)}$ £ .5 ± .10 $(.059 \pm .004)$ $\frac{3.65 \pm 0.10}{(.144 \pm .004)}$ 1.5 ± 0.20 € (.059 ± .008) 1.75 ± 0.10 $(.069 \pm .004)$ 12.0 ± 0.20 (.472 ± .008) TAPE $\frac{177.8 \pm 2.03}{(7.000 \pm .080)}$ 18.39 DIA. MAX EQUAL SPACED 50.0 1.5 (1.969)MIN. 3 PLCS MIN 20.2 13.0 ± 0.2 DIA 12.40 + 2.00/ -.000 (.488 + .078/ -.000) (.795) $(.512 \pm .008)$ MIN. REEL Meets EIA 481 MM DIMENSIONS: (INCHES) 0.25 TOLERANCES: ± EXCEPT WHERE NOTED (.010)

3313J, X Packaging Specifications



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REV. 01/23

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