Features
- Surface Mount / Single Turn / Cermet Industrial / Sealed
- Compatible with surface mount manufacturing processes
- Compatible with popular vacuum pick-and-place equipment
- J-hook, gull-wing and pinned configurations
- Side adjust available
- Meets EIA/EIAJ/IPC/VEC1 SMD standard trimmer designs
- RoHS compliant* - see processing information on lead free surface mount trimmers
- For trimmer applications/processing guidelines, click here

Electrical Characteristics

Standard Resistance Range
………………..10 ohms to 2 megohms
(see standard resistance table)
Resistance Tolerance ..............±20 % std.
(tighter tolerance available)
End Resistance ..........1 % or 2 ohms max.
(whichever is greater)
Contact Resistance Variation
……………………..3 % or 3 ohms
Resolution ..................Infinite
Insulation Resistance ..............500 vdc.
100 megohms min.

Dielectric Strength
- Sea Level...............500 vac (1 minute)
- Adjustment Angle ..............210 ° nom.

Environmental Characteristics

Power Rating (300 volts max. for Style G, J & H; 50 volts max. for Style F)
70 °C..............................0.25 watt
- 125 °C..............................0 watt
Temperature Range... -55 °C to +125 °C
Temperature Coefficient ±100 ppm/°C
Seal Test...85 °C Fluorinert/60 seconds
Humidity .....................90-98 % RH,
10 cycles, 240 hours
TRS ±2 %; VRS ±1 %

Load Life
....( @ 70 °C Rated Power 1000 Hours)
TRS ±3 %
Rotational Life .............100 cycles
TRS ±3 %
Thermal Shock ..............5 cycles
TRS ±2 %; VRS ±1 %

Physical Characteristics

Mechanical Angle ............240 ° nom.
Torque ......................180 g-cm max.
Stop Strength ..................300 g-cm min.
Pusher Strength (S & Z Style)
……………………1.6 kilograms (3.5 lbs.) min.
Weight ..................Approximately 0.01 oz.
Marking: Manufacturer’s code, resistance code and date code
Wiper ..................50 % (Actual TR) ±10 %
Flammability ..................U.L. 94V-0
Standard Packaging
- J, G and R...500 pcs./7 " reel (MSL-1)
- S and Z...200 pcs./7 " reel (MSL-1)
- H..................100 pcs./tube
Adjustment Tool ..............H-90

Product Dimensions

3314J-1

3314G-1

3314H-1

3314J-1, G-1, R-1, H-1
(Bourns Marking, Straight Slot)

3314J-2, G-2, R-2, H-2
(Bourns Marking, Cross Slot)

3314J-3, G-3, R-3, H-3
(Reverse Marking, Straight Slot)

3314J-4, G-4, R-4, H-4
(Reverse Marking, Cross Slot)

DINENSIONS: \[ \text{MM} \]
TOLERANCES: ± \[ \frac{0.25}{(0.01)} \] EXCEPT WHERE NOTED

†"Fluorinert" is a registered trademark of 3M Co.
Specifications are subject to change without notice.
The device characteristics and parameters in this data sheet can and do vary in different applications and actual device performance may vary over time.
Users should verify actual device performance in their specific applications.
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3314 - 4 mm Square Trimpot® Trimming Potentiometer

**Packaging Specifications**

**R Style**
- **Tape**
  - 3.5 ± 0.10 (138 ± 0.004)
  - 1.50 ± 0.10 (208 ± 0.004)
  - 5.20 ± 0.10 (207 ± 0.004)
  - 1.75 ± 0.10 (688 ± 0.004)
- **Reel**
  - Min. 1.50 (0.59)
  - Max. 20.2 (7.95) Min. Dia.
  - 12.4 ± 2.0 (13.00 ± 0.079)
  - Max. (Measured at Hub)
  - 312.2 ± 2.0 (13.00 ± 0.079)

**R-GMS Style**
- **Tape**
  - 3.5 (138)
  - 0.22 (0.009)
  - 0.33 (0.013)
- **Reel**
  - Min. 1.50 (0.59)
  - Max. 20.2 (7.95) Min. Dia.
  - 12.4 ± 2.0 (13.00 ± 0.079)
  - Max. (Measured at Hub)
  - 312.2 ± 2.0 (13.00 ± 0.079)

**S Style**
- **Tape**
  - 5.00 ± 0.05 (138 ± 0.004)
  - 0.50 ± 0.02 (1.00 ± 0.006)
  - 16.00 ± 0.3 (330 ± 0.004)
- **Reel**
  - Min. 1.50 (0.59)
  - Max. 22.4 (8.82) Min. Dia.
  - 13.0 ± 0.51 (312 ± 0.020)
  - Max. (Measured at Hub)
  - 330.2 ± 2.0 (13.00 ± 0.079)

* Embossed Tape Designator "E"  
** Embossed Tape Designator "G"  
(See How To Order chart for further information.)

Meets EIA specification 481.

**Dimensions:**
- **MM (Inches)**
  - 0.25 (0.010)
- **Except Where Noted**

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