

Features

- Surface mount 2 mm Square / Single-turn / Cermet / Sealed
- Compatible with surface mount manufacturing processes
- Miniature design for flexibility
- RoHS compliant*
- For trimmer applications/processing guidelines, <u>click here</u>

3312 - 2 mm SMD Trimpot[®] Trimming Potentiometer

Electrical Characteristics

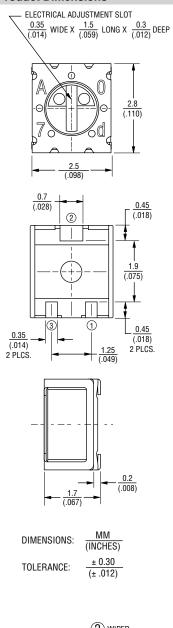
Standard Resistance Range				
10 ohms to 2 megohms				
(see standard resistance table)				
Resistance Tolerance				
End Resistance 1 % or 2 ohms max.				
(whichever is greater)				
Contact Resistance Variation				
5 % or 3 ohms max.				
(whichever is greater)				
Adjustability				
Voltage Divider ±0.4 %				
Rheostat±0.8 %				
Resolution Essentially infinite				
Insulation Resistance 500 VDC				
100 megohms min.				
Dielectric Strength				
Sea Level				
70,000 Feet350 VAC				
Adjustment Angle 255 ° nom.				
Environmental Characteristics				
Power Rating (50 volts max.)				
70 °C 0.1 watt				
125 °C 0 watt				
Operating Temperature Range				
55 °C to +125 °C				
Temperature Coefficient ±100 ppm/°C				
Seal Test85 °C Fluorinert [†] /60 seconds				
Humidity MIL-STD-202 Method 106				

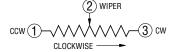
Physical Characteristics

Mechanical Stop	o 285 ° nom.
Torque	0.7 oz-in. max
Stop Strength	0.7 oz-in. nom.
Weight	Approximately 0.0321 g
Marking	

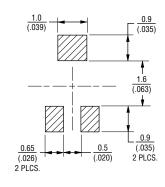
......... Resistance code and date code Standard Packaging 500 pcs./7 " reel (MSL-1)

Product Dimensions





Recommended Land Pattern



Standard Resistance Table

Resistance (Ohms)	Part Marking Code	Resistance Code
10	A1	100
20	U1	200
50	V1	500
100	A2	101
200	U2	201
500	V2	501
1,000	A3	102
2,000	U3	202
5,000	V3	502
10,000	A4	103
20,000	U4	203
50,000	V4	503
100,000	A5	104
200,000	U5	204
500,000	V5	504
1,000,000	A6	105
2,000,000	U6	205

Popular values listed in boldface. Consult factory for special resistances.

E = 500 pcs./7 " Reel (MSL-1)

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



WARNING Cancer and Reproductive Harm www.P65Warnings.ca.gov *RoHS Directive 2015/863, Mar. 31, 2015 and Annex †"Fluorinert" is a registered trademark of 3M Co.

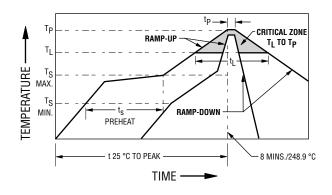
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Processing Information

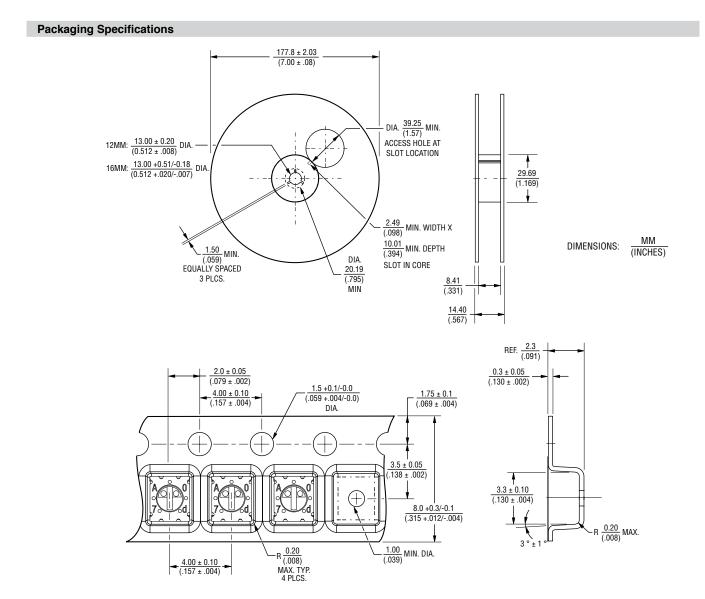
Process Description	Materials	Temperature	Time Interval
 Apply solder paste to test board (8 - 10 mil thick) 	 Sn 96.5/Ag 3.0/Cu 0.5 Alloy water soluble or no clean solder paste Single sided epoxy glass (G10) (UL approved) PC board approx. 4x4x.06 in. 	Room temperature	
2. Place test units onto board	6 units/board		
3. Ramp up	Convection oven		2.5 °C ±0.5 °/second
4. Preheat (T _S)		150 °C to 190 °C	90 ±30 seconds
5. Time above liquidus (TL)		220 °C	60-90 seconds
6. Peak temperature (Tp)			250 °C +0 °/-5 ° 10-20 sec. within 5 °C of peak
7. Ramp down		Room temperature	3 °C ±0.5 °C/second
8. Cleaning water clean profile	High pressure deionized water 65 PSI maximum	72 °F to 160 °F (22 °C to 71 °C)	As required



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REV. 08/19

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