

Features

- Multiturn / Cermet / Sealed
- Machine insertable SIP design provides extra cost savings
- .080 inch width allows side-by-side spacing on standard 0.100 inch grid
- PC board profile - only 0.185 inches high



Model 20 is currently available, although not recommended for new designs.

20 - 20 mm Rectangular Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range
10 ohms to 2 megohms
 (see standard resistance table)
 Resistance Tolerance±10 % std.
 Absolute Minimum Resistance
5.0 % or 3 ohms max.
 (whichever is greater)
 Contact Resistance Variation
1.0 % or 1 ohm max.
 (whichever is greater)
 Adjustability
 Voltage.....±0.01 %
 Resistance.....±0.05 %
 Resolution.....Infinite
 Insulation Resistance500 vdc.
 100 megohms min.
 Dielectric Strength
 Sea Level1000 vac
 70,000 Feet.....350 vac
 Effective Travel.....15 turns nom.

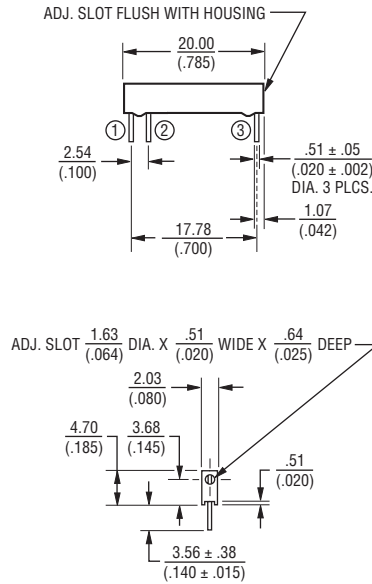
Environmental Characteristics

Power Rating (250 volts max.)
 70 °C0.25 watt
 150 °C0 watt
 Temperature Range-55 °C to +125 °C
 Temperature Coefficient
 50 Ohms and Above.....±100 ppm/°C
 Below 50 Ohms±150 ppm/°C
 Seal Test.....85 °C Fluorinert†
 Humidity.....MIL-STD-202 Method 103
 96 hours
 (3 % ΔTR, 20 megohms IR)
 Vibration.....20 G (1 % ΔTR; 1 % ΔVR)
 Shock.....50 G (1 % ΔTR; 1 % ΔVR)
 Load Life
1,000 hours, 0.25 watt @ 70 °C
 (3 % ΔTR, 3 % or 3 ohms
 whichever is greater, CRV)
 Rotational Life200 cycles
 (3 % ΔTR, 3 % or 3 ohms
 whichever is greater, CRV)

Physical Characteristics

Torque5.0 oz-in. max.
 Mechanical AngleWiper idles
 TerminalsSolderable pins
 Weight0.015 oz.
 MarkingManufacturer's
 trademark, resistance code,
 terminal numbers, date code,
 manufacturer's model number
 and style
 Standard Packaging25 pcs. per tube

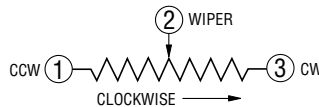
Product Dimensions



*BOURNS ADJUSTMENT TOOL H-91
 AVAILABLE FOR THIS MODEL.

TOLERANCES: $\frac{\pm .25}{(\pm .010)}$ EXCEPT WHERE NOTED

DIMENSIONS: $\frac{\text{MM}}{\text{(INCHES)}}$



Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
100	201
200	202
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105
2,000,000	205

How To Order

20 P - 1 - 103 LF

Model _____
 Style _____
 Standard or Modified _____
 Product Indicator
 -1 = Standard Product
 Resistance Code _____
 Terminations _____
 LF = 100 % Tin-plated (RoHS compliant)
 Blank = 90 % Tin / 10 % Lead-plated (Standard)
 Consult factory for other available options.