



BOURNS

Model 3316

Bourns® Trimming Potentiometer

6MM ROUND / SINGLE-TURN / CARBON COMMERCIAL / OPEN FRAME

- Cross slot rotor design suitable for automatic adjustment equipment
- Board retention feature
- Dust resistant/splash resistant cover
- PC board stand-offs
- Front and top adjust styles

OBSOLETE 1996

Electrical Characteristics

Standard Resistance Range 100 to 1 megohm
(see standard resistance table)
Resistance Tolerance $\pm 25\%$ std.
End Resistance 2% max. ($\leq 2K = 30$ ohms)
Contact Resistance Variation 3% max.
Resolution Infinite
Adjustment Angle 215° nom.

Environmental Characteristics

Power Rating (100 volts max.)
70°C 0.1 watt
Temperature Range -25°C to $+100^\circ\text{C}$
Temperature Coefficient $\pm 1000\text{ppm}/^\circ\text{C}$
Load Life 1,000 hours 0.1 watt @ 70°C
(10% ΔTR)

Physical Characteristics

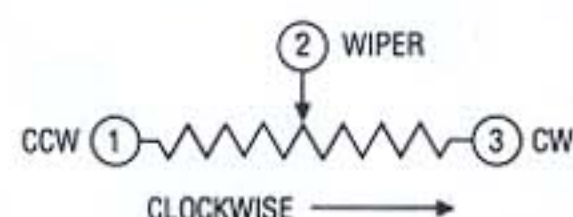
Torque (Operating) 4.5 oz-in. max.
Stop Strength 6.5 oz-in. min.
Terminals Solderable pins
Marking Manufacturer's trademark, resistance code
Standard Packaging 300 pcs. per bag
Aqueous cleaning not recommended

STANDARD RESISTANCE TABLE

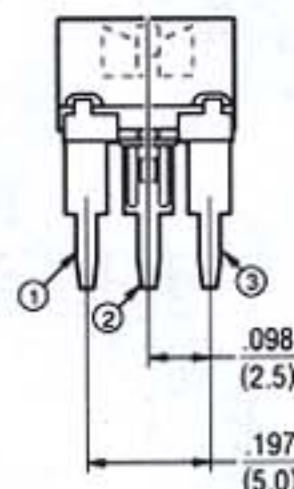
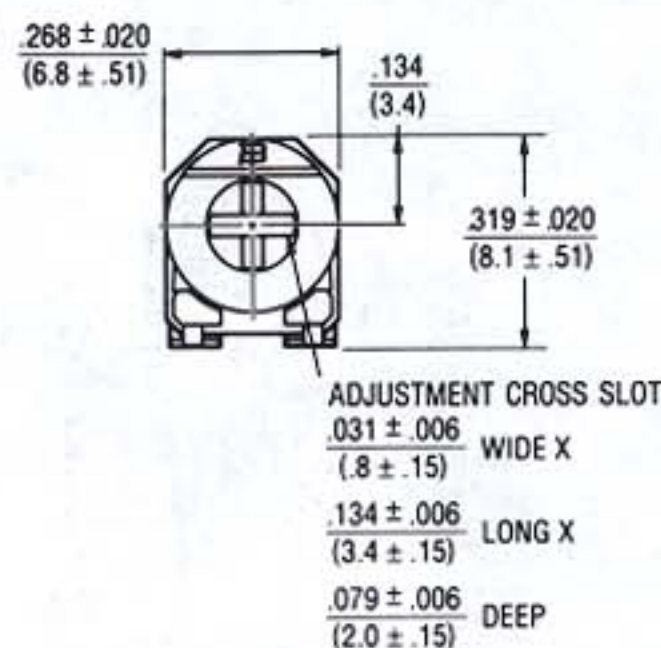
Resistance (Ohms)	Resistance Code
100	101
200	201
500	501
1,000	102
2,000	202
5,000	502
10,000	103
20,000	203
25,000	253
50,000	503
100,000	104
200,000	204
250,000	254
500,000	504
1,000,000	105

TOLERANCES: $\pm \frac{.012}{(0.30)}$ EXCEPT WHERE NOTED

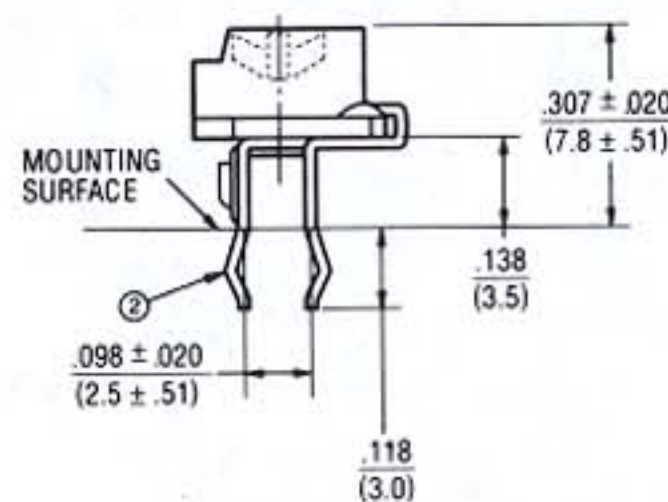
DIMENSIONS: $\frac{\text{IN.}}{(\text{MM})}$



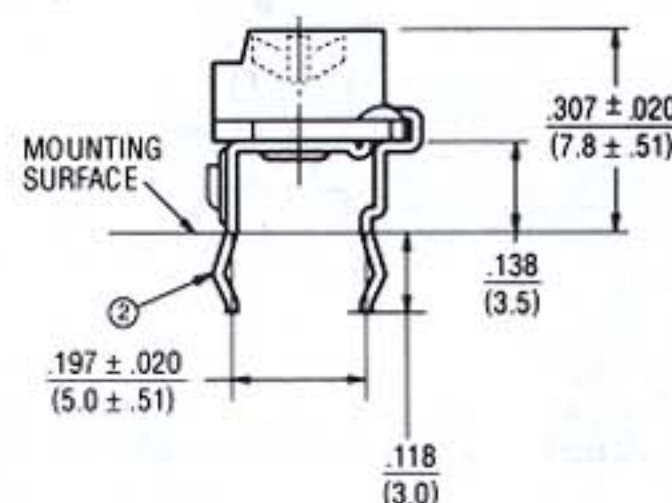
TOP ADJUST



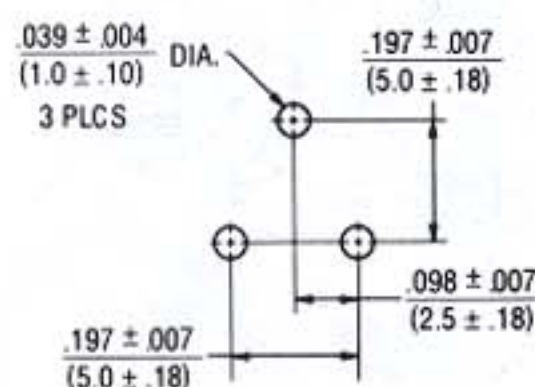
3316P



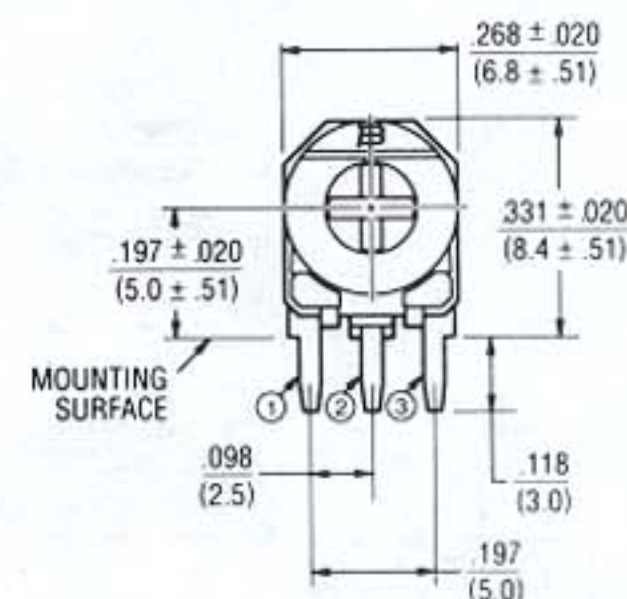
3316F



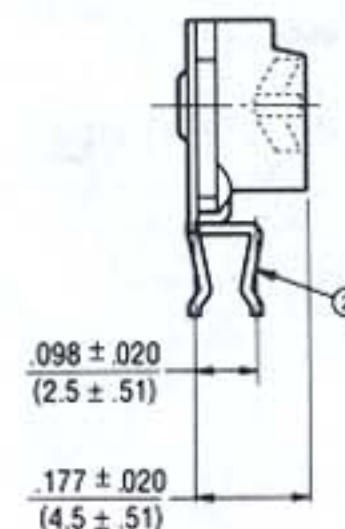
SUGGESTED PWB LAYOUT - STYLE F



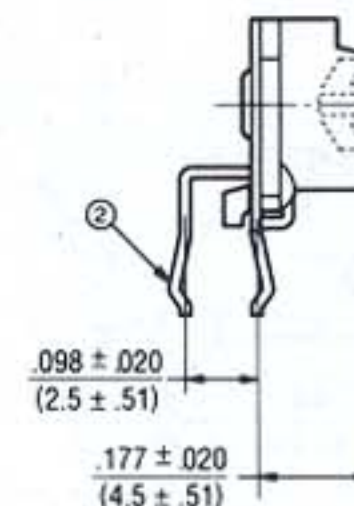
FRONT ADJUST



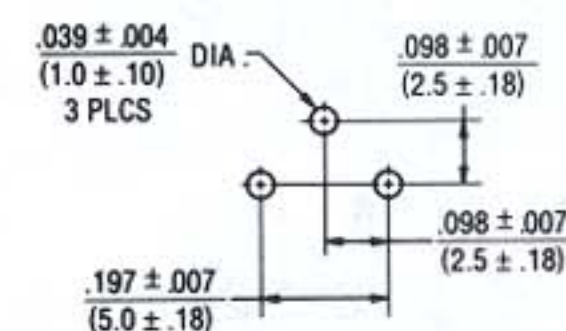
3316W



3316K



SUGGESTED PWB LAYOUT - STYLES K,P,W



HOW TO ORDER

3316 W - 1 - 103

Model _____
Style _____
Standard Product _____
Resistance Code _____

Other rotor colors available, consult factory.
Specifications are subject to change without notice.