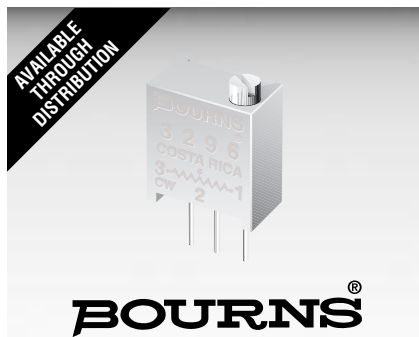




Features

- Multiturn / Cermet / Industrial / Sealed
- 5 terminal styles
- Tape and reel packaging available
- Chevron seal design
- Listed on the QPL for style RJ24 per MIL-R-22097 and RJR24 per High-Rel Mil-R-39035

3296 - 3/8" Square Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range10 to 5 megohms
(see standard resistance table)
Resistance Tolerance±10% std.
(tighter tolerance available)
Absolute Minimum Resistance1% or 2 ohms max.
(whichever is greater)
Contact Resistance Variation1.0% or 3 ohms max.
(whichever is greater)
Adjustability
Voltage±0.01%
Resistance±0.05%
Resolution.....Infinite
Insulation Resistance500 vdc.
1,000 megohms min.
Dielectric Strength
Sea Level900 vac
70,000 Feet.....350 vac
Effective Travel.....25 turns nom.

Environmental Characteristics

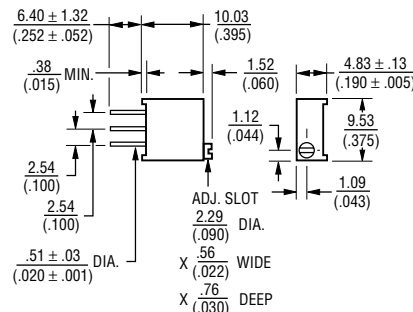
Power Rating (300 volts max.)
70°C0.5 watt
125°C0 watt
Temperature Range
.....-55°C to +150°C
Temperature Coefficient
.....±100ppm/°C
Seal Test85°C Fluorinert*
Humidity.....MIL-STD-202 Method 103
96 hours
(2% ΔTR, 10 Megohms IR)
Vibration.....20G (1% ΔTR; 1% ΔVR)
Shock.....100G (1% ΔTR; 1% ΔVR)
Load Life
.....1,000 hours 0.5 watt @ 70°C
(3% ΔTR; 3% or 3 ohms,
whichever is greater, CRV)
Rotational Life.....200 cycles
(4% ΔTR; 3% or 3 ohms,
whichever is greater, CRV)

Physical Characteristics

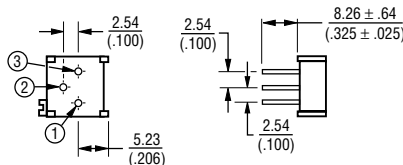
Torque3.0 oz-in. max.
Mechanical Stops.....Wiper idles
TerminalsSolderable pins
Weight0.03 oz.
MarkingManufacturer's
trademark, resistance code,
wiring diagram, date code,
manufacturer's model
number and style
WiperPositioned at 50% nominal
FlammabilityU.L. 94V-0
Standard Packaging50 pcs. per tube
Adjustment ToolH-90

*"FLUORINERT" IS A REGISTERED TRADEMARK OF 3M CO.

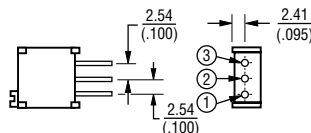
Common Dimensions



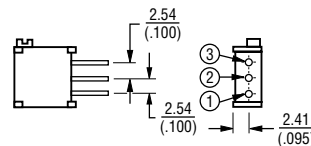
3296P



3296W



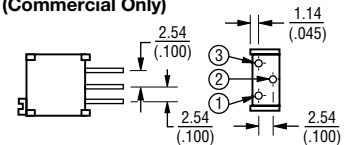
3296X



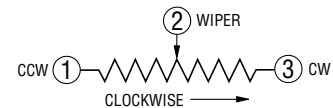
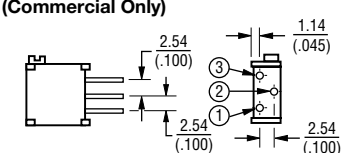
How To Order

3296 W - 1 - 103
Model _____
Style _____
Standard or Modified _____
Product Indicator _____
-1 = Standard Product
Resistance Code _____
Consult factory for other available options.

3296Y (Commercial Only)



3296Z (Commercial Only)



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: METRIC
(INCHES)

Standard Resistance Table

Resistance (Ohms)	Resistance Code
10	100
20	200
50	500
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
2,000,000	205

Popular values listed in boldface. Special resistances available.