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Jameco Part Number 42981

BOURNS®

3386-OT1 - 3/8" Square Trimming Potentiometer

Features

- Single-Turn / Cermet / Industrial / Sealed
- Designed for operational amplifier offset voltage adjustment applications
- Reduces power supply drift errors
- Unique center tapped trimming potentiometer
- Vertical adjust type available

Electrical Characteristics

Standard Resistance Range
.....100 ohms to 1 megohm
(see standard resistance table)
Resistance Tolerance .....±20% std.
Absolute Minimum Resistance
.....2 ohms max.
Voltage Output Variation.....±0.25%
Adjustability (VR) .....±0.025%
Insulation Resistance @ 500 vdc
.....1,000 megohms min.
Dielectric Strength
Sea Level .....900 vac
70,000 Feet .....350 vac
Effective Electrical Travel.....280° nom.
Center Tap Resistance .....2 ohms max.
Center Tap Electrical Center.....±5%
Center Tap Dead Band.....6°±4°

Environmental Characteristics

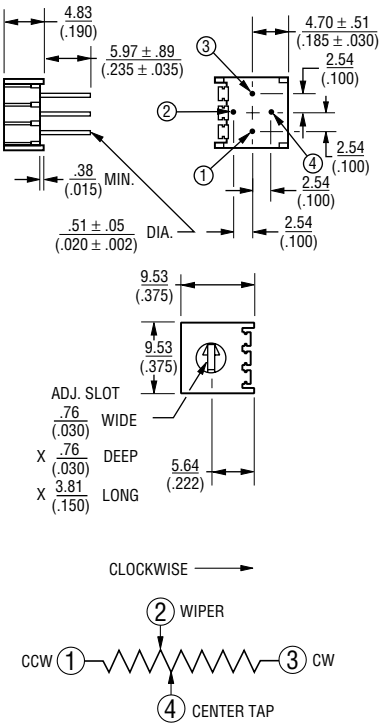
Power Rating
85°C.....0.5 watt
150°C.....0 watt
Temperature Range
.....-55°C to +150°C
Temperature Stability (ΔVR)
.....±0.5% max.
Seal Test .....85°C Fluorinert*
Humidity.....MIL-STD-202 Method 103
96 hours ±2%
ΔTR 10 Megohms min.
Vibration, 30G .....±1% ΔTR
Shock, 100G .....±1% ΔTR
Load Life, 1,000 Hours .....±3% ΔTR
Rotational Life, 200 cycles .....±4% ΔTR

Physical Characteristics

Mechanical Angle .....310° nom.
Torque .....5.0 oz-in. max.
Stop Strength .....15.0 oz-in. min.
Terminals .....Solderable pins
Weight .....0.03 oz.
Marking .....Manufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
Flammability .....U.L. 94V-0
Standard Packaging
.....50 pcs. per tube/tray
Adjustment Tool H-90

Also see Model 3296-OT1, page 28.

3386P-OT1



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
50,000	503
100,000	104
200,000	204
500,000	504
1,000,000	105

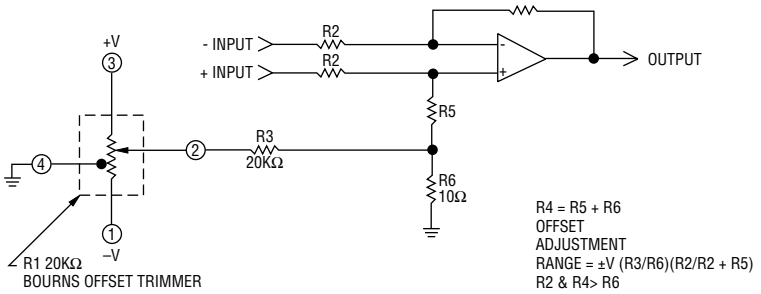
Popular values listed in boldface. Special resistances available.

SHADED AREAS TYPICALLY NOT STOCKED BY DISTRIBUTORS AND NOT RECOMMENDED FOR NEW DESIGNS.

TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

DIMENSIONS ARE: METRIC / (INCHES)

Suggested Offset Voltage Adjustment Circuit



How To Order

3386 P - OT1 - 103

Model
Style
Catalog Product
Resistance Code

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Specifications are subject to change without notice.