

BOURNS®

Features

- 3/8" Square / Single-Turn / Cermet Industrial / Sealed High Voltage Focus Control
- Designed for electrostatic focus control applications on monochrome or color CRTs

- Rated at 1 KV D.C. and 600 VDC input voltage
- High stability cermet element
- Available with optional red knob

3386-HV2/3386-HV3 - 3/8" Trimming Potentiometer

Electrical Characteristics

Standard Resistance Range2.5 and 5 megohms
 Resistance Tolerance±20 %
 Contact Resistance Variation2 % max.
 Adjustability
 Voltage Divider±0.05 %
 Rheostat±0.15 %
 ResolutionInfinite
 Insulation Resistance @ 1 KV D.C.1,000 megohms min.
 Dielectric Strength (5,000 foot altitude)1.5 KV A.C. min.
 Adjustment Angle280° nom.

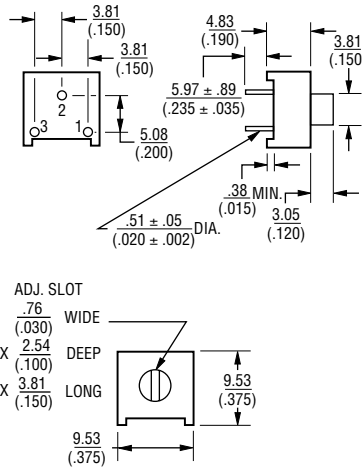
Environmental Characteristics

HV2 Input Voltage
 85 °C(1K VDC max.)
 125 °C0 watt
 HV3 Input Voltage
 85 °C(600 VDC max.)
 125 °C0 watt
 Temperature Range-55 °C to +125 °C
 Temperature Coefficient±400 ppm/°C
 HumidityMIL-STD-202 Method 103
 240 Hours (100 megohms min. IR)
 Load Life
 HV21,000 hours 1 KVDC
 60 °C, 90 % R.H. (3 % max. ΔTR)
 HV31,000 hours 600 VDC
 60 °C, 90 % R.H. (3 % max. ΔTR)
 Voltage Breakdown (5,000 foot altitude)1.5 KV min.
 Seal Test85 °C Fluorinert†
 VibrationNo discontinuity 30 G
 ShockNo discontinuity 100 G
 Rotational Life200 cycles min.

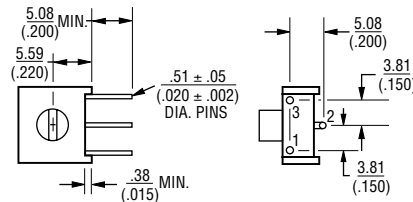
Physical Characteristics

Mechanical Angle310° nom.
 Torque5.0 oz-in. max.
 Stop Strength15.0 oz-in. min.
 TerminalsSolderable pins
 Weight0.04 oz.
 MarkingManufacturer's trademark, resistance code, wiring diagram, date code, manufacturer's model number and style
 FlammabilityU.L. 94V-0
 Standard Packaging50 pcs. per tube
 Adjustment ToolH-90

3386N Common Dimensions



3386U

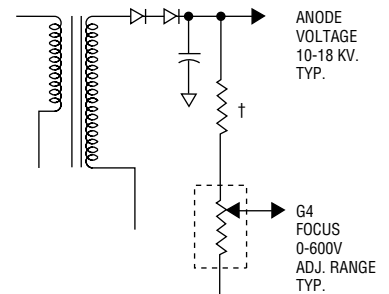


How To Order

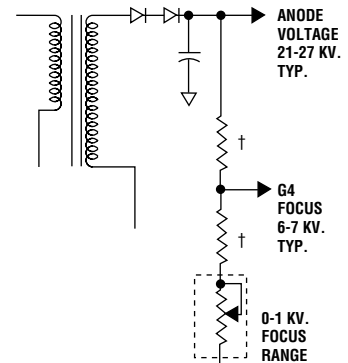
3386 N - HV2 - 505 T

Model _____
 Style _____
 High Voltage Construction Indicator
 HV2 = 1000 VDC
 HV3 = 600 VDC
 Resistance Code
 -255 = 2.5 megohms
 -505 = 5 megohms
 Optional Suffix Letter
 T = Red Knob

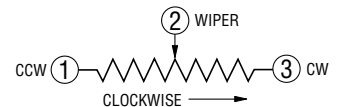
Typical Focus Control Circuits



MONOCHROME
 † VALUES DETERMINED BY CIRCUIT VOLTAGES



COLOR



TOLERANCES: ± 0.25 (.010) EXCEPT WHERE NOTED

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