

Features

- Minimal installation space for maximum design flexibility
- Linear or audio taper versions
- Wide assortment of options

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Open-Frame Slide Potentiometer

Electrical Characteristics

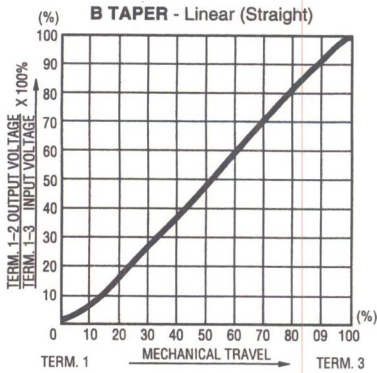
		20MM
Standard Resistance Range.....Linear.....		2K 5K 10K 20K 50K 100K 200K 500K
(ohms)	Audio.....	5K 10K 20K 50K 100K 200K 500K
Resistance Tolerance		±20%, All Resistance/Tapers
Resistance Taper	Linear	B Tapers (see taper curves)
Independent Linearity.....		±5% for B Tapers
Absolute Minimum Resistance.....		1% or 100 ohms, whichever is less, for B taper
Continuity		Maintained for full stroke
Effective Electrical Travel.....		90% of Mechanical Travel
Peak Noise (CRV) Linear/Audio.....		2% / 5%
Theoretical Resolution.....		Essentially Infinite
Dielectric Strength (Sea Level)		500 VAC, 1 minute, between Lever and Terminals
Insulation Resistance (500 VDC)		1,000 megohms minimum between Lever and Terminals
Power Rating at 70°C	Linear	0.1 Watt
(0 Watt at 90°C)	Audio.....	0.05 Watt
Maximum Working Voltage.....		Power Dissipation or 350 VAC, whichever is less
Tracking Error (Dual Only).....		4 dB maximum; 0 to -40 dB
Environmental Characteristics		
Storage Temperature.....		-20°C to +90°C
Temperature Coefficient of Resistance		±1,000ppm/°C
Vibration (10 to 55 Hz, 1.5mm).....		Voltage Ratio Change: ±5% maximum. Total Resistance Shift: ±2% maximum
Load Life		(Pre-conditioning: 55°C, 20% RH, 24 ± 4 Hours)
(Rated Power at 25°C for 1,000 Hours).....		Total Resistance Shift: ±10%
Sliding Life		Total Resistance Shift: ±5% = Linear; 2K, 5K, 10K, 20K, 50K,
(No Load - 15,000 Cycles)		±10% = Linear; 100K, 200K, 500K, & Audio; 2K to 500k
Moisture Resistance (96 Hours @ 40°C		Total Resistance Shift: Linear ±12% maximum, Audio ±20% maximum
90-95% RH, Rated Power)		Insulation Resistance: 100 megohms minimum
Soldering Heat (3 Seconds @ 350°C).....		Total Resistance Shift: ±5% maximum
Mechanical Characteristics		
Operating Force		15 to 150 Gr
Stop Strength		1.5 Kg minimum
Stroke		20mm
Terminals		PC Pins (Vertical or Horizontal)
Markings.....		Trademark, date code, taper, and resistance (ex. B10K) and Japan

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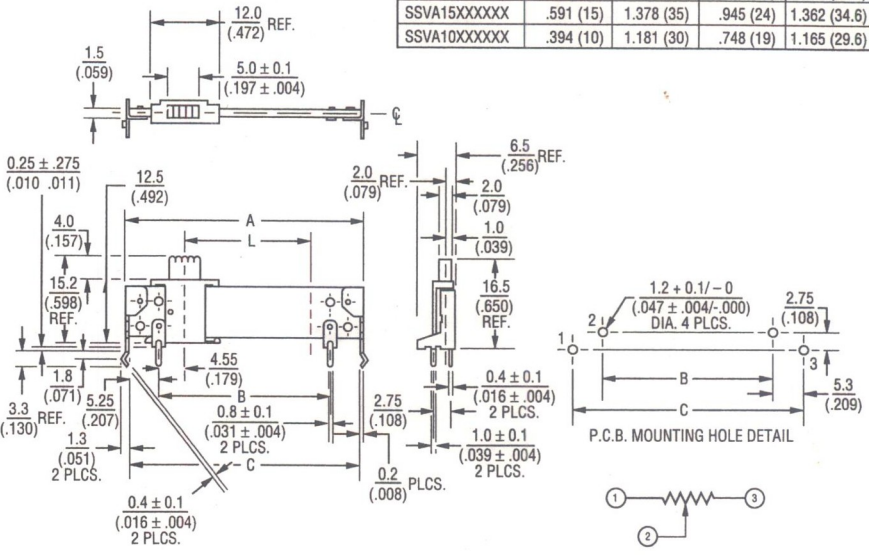
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Slide Potentiometer - Dimensions and Tolerances
BOURNS®

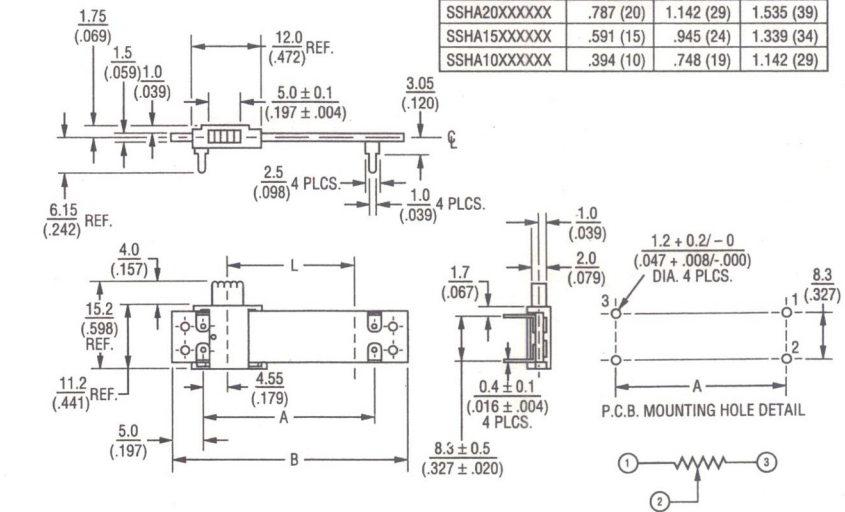
TAPER CURVES



Single Element Vertical Mount



Single Element Horizontal Mount

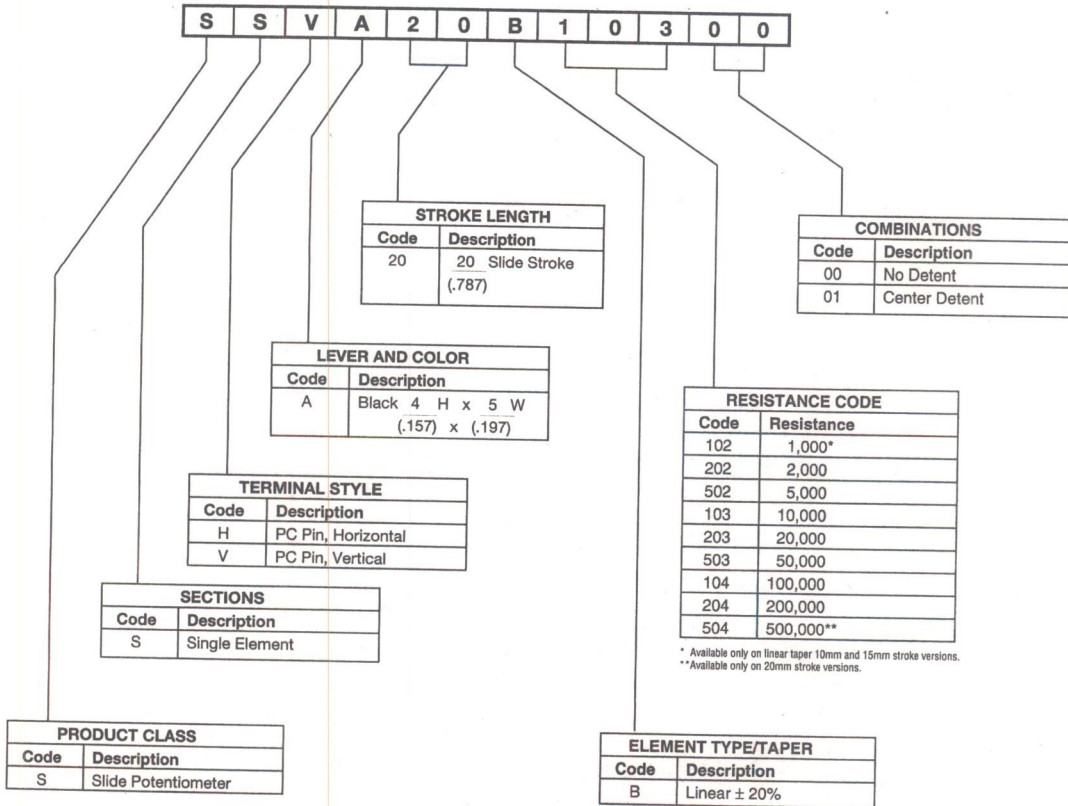


Non-stock adjustable

DIMENSIONS ARE: METRIC / (INCHES)

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Slide Potentiometers - How to Order **BOURNS®**



* Available only on linear taper 10mm and 15mm stroke versions.
** Available only on 20mm stroke versions.