imall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from, Europe, America and south Asia, supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts, Customers Priority, Honest Operation, and Considerate Service", our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip, ALPS, ROHM, Xilinx, Pulse, ON, Everlight and Freescale. Main products comprise IC, Modules, Potentiometer, IC Socket, Relay, Connector. Our parts cover such applications as commercial, industrial, and automotives areas.

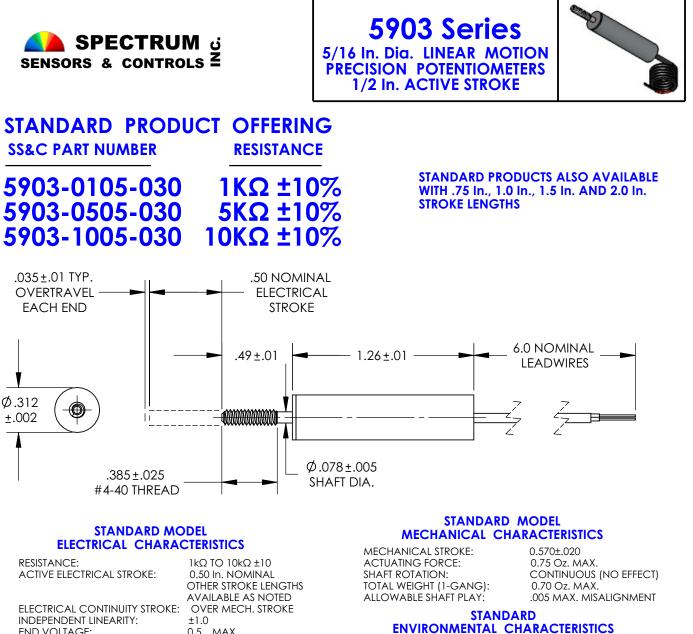
We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832 Email & Skype: info@chipsmall.com Web: www.chipsmall.com Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





OPERATING TEMP. RANGE: OPERATING LIFE:

-65°C To +125°C 100 x 10 STROKES MIN.

STANDARD MATERIALS OF CONSTRUCTION

HOUSING: SHAFT AND GUIDE RODS: RESISTANCE ELEMENT: ELECTRICAL CONTACTS: BEARINGS: LEADWIRES / JACKET: STAINLESS STEEL (TUBING) STAINLESS STEEL CO-MOLDED CONDUCTIVE PLASTIC MULTI-FINGER PRECIOUS METAL VECTRA E130i PLASTIC #30 AWG TYPE ET (TEFLON) SHRINK TUBING JACKET

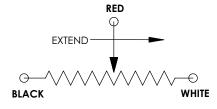
CONTACT:

SPECTRUM SENSORS & CONTROLS, INC.

424 CROWN POINT CIRCLE, GRASS VALLEY, CA 95945 (800) 880-7730 (530) 273-4608 FAX: (530) 273-0769 E-MAIL: sales@specsensors.com

ELECTRICAL CONTINUITY STROKE: INDEPENDENT LINEARITY: END VOLTAGE: VOLTAGE RESOLUTION: OUTPUT SMOOTHNESS: RESISTANCE TEMP. COEFFICIENT: POWER RATING @ 70°C: WIPER CONTACT CURRENT: DIELECTRIC STRENGTH: INSULATION RESISTANCE: 1kΩ TO 10kΩ ±10 0.50 In. NOMINAL OTHER STROKE LENGTH. AVAILABLE AS NOTED OVER MECH. STROKE ±1.0 0.5 MAX. VIRTUALLY INFINITE 0.1 MAX. 500PPM/°C MAX. 0.75 WATT MAX. 10 MilliAmps MAX. 1000 VRMS 100 MegΩ MIN.

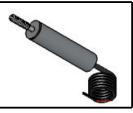
SCHEMATIC DIAGRAM

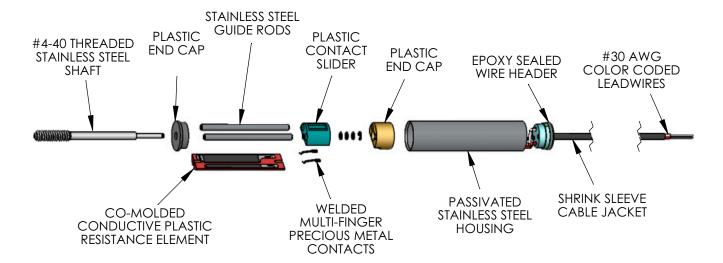




5903 Series

5/16 In. Dia. LINEAR MOTION PRECISION POTENTIOMETERS





STANDARD ELECTRICAL CHARACTERISTICS

RESISTANCES (±10): ACTIVE ELECTRICAL STROKE: ELECTRICAL CONTINUITY: INDEPENDENT LINEARITY: END VOLTAGE: VOLTAGE RESOLUTION: OUTPUT SMOOTHNESS: RESISTANCE TEMP. COEFFICIENT: POWER RATING @ 70°C: WIPER CONTACT CURRENT: DIELECTRIC STRENGTH: INSULATION RESISTANCE: 1KΩ, 2KΩ, and 5kΩ 0.5, 0.75, 1.0, 1.5, and 2.0 Inches THROUGHOUT MECH. STROKE ±1.0 0.5 MAX. VIRTUALLY INFINITE 0.1 MAX. 500PPM/°C MAX. 1.0 WATT MAX. PER STROKE INCH 10 MilliAmps MAX. 1000 VRMS 100 MegΩ MIN.

STANDARD MECHANICAL CHARACTERISTICS

MECHANICAL STROKE: SHAFT ACTIVATION FORCE: MAX. SHAFT MISALIGNMENT: ACTIVE STROKE + 0.07 IN. 0.75 Oz. MAX. 0.005 In. PERMISSIBLE

STANDARD ENVIRONMENTAL CHARACTERISTICS

OPERATING TEMP. RANGE: ROTATIONAL OPERATING LIFE: -65°C To +125°C 100 x 10 ⁶ STROKES MIN.

STANDARD MATERIALS OF CONSTRUCTION

HOUSING: SHAFT AND GUIDE RODS: RESISTANCE ELEMENT: ELECTRICAL CONTACTS: LEADWIRES / CABLE: STAINLESS STEEL STAINLESS STEEL CO-MOLDED CONDUCTIVE PLASTIC MULTI-FINGER PRECIOUS METAL #30 AWG TYPE ET (TEFLON)

AVAILABLE OPTIONS

CUSTOM RESISTANCE VALUES (500 Ω TO 30k Ω) AND TOLERANCES AS LOW AS ±5

SPECIAL LINEARITIES AS LOW AS 0.2 , ABSOLUTE (INDEXED) OR INDEPENDENT OVER SPECIFIED REGIONS.

SPECIAL ELECTRICAL STROKES (3.5 Inch MAX.)

SPECIAL CABLE OR CONNECTORS

SPECIAL SHAFT LENGTHS AND FEATURES SUCH AS FLATS, SLOTS, STEPS, YOKES, CLAMPS, AND ROD ENDS.

SPECIAL ENVIRONMENTAL CAPABILITES SUCH AS MOISTURE SEALS, HIGH SHOCK AND VIBRATION CAPABILITIES.

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