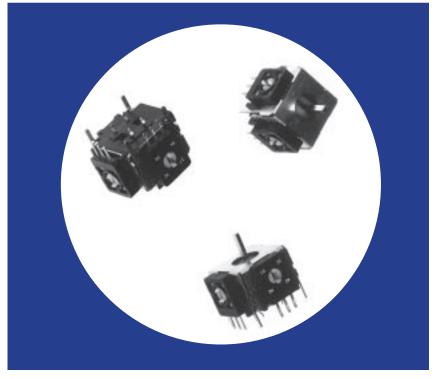


Series 252 Technical Data

Two Axis, Ministick Controller With Optional Momentary Switch

Features

- Compact Size (20x21x13mm)
- Long Life 1 Million Cycles
- Optional momentary switch is operational at all rotations
- Sturdy metal case with convenient mounting tabs
- RoHS compliant



Pat. No: US 6,353,430 , Taiwan: 128688. Pat. Pending in Japan & China

Electrical and Mechanical Specifications

Potentiometer 1 & 2

Resistance Range

10 K ohms through 200 K ohms

Resistance Tolerance

Standard: ±30%

Special: ±10% and ± 20% available

Insulation Resistance

100 Megaohms min @ 250 VDC

Rotational Torque of Stick

200 ± 80 gf.cm at 10° deflection

Power Rating

0.0125 watt @ 50°C, Derated to no load at 85°C

Operating Voltage

50 VAC or 5 VDC maximum

Angle of Rotation

60° maximum

Life

Standard: 1,000,000 cycles Special: Consult CTS

RoHS Compliance

Compliant with European Union RoHS Directive

Available Switch

Type

Momentary

Contact Resistance

100 milliohms max

Maximum Contact Resistance

200 milliohms max after 500,000 cycles switching 5mA @ 5VDC

Dielectric Strength

250 VAC 50/60 Hz for 1 minute

Insulation Resistance

100 Megaohms min @ 100 VDC

Operational Force

800±200 g

Power Rating

12 VDC, 50 mA maximum

Trave

 0.9 ± 0.4 mm

Switch Life

500,000 cycles

Electrical and Mechanical Specifications

Potentiometer 1 & 2

Operating Temperature

-10°C to +70°C

Mounting Information

PC Terminals

Soldering Conditions

Wave - up to 5 seconds at 260°C No Solder or flux on component side of board

CTS Series 252 OPERATION ANGLE 53°~63° (ALL DIRECTION) $\begin{array}{c} 01.3^{+0.1}_{-0.0} \\ 0.51^{+0.04}_{-0.00} \\ 0.051^{+0.04}_{-0.00} \\ 0.039^{+0.04}_{-0.00} \\ \end{array}$ CENT. 1.20±0.05 0.8±0.1(6) .031±.004 1.90±0.05 06.1 SWITCH CIRCUIT DIAGRAM 5.00 107 .075±.002 Ø1.0⁺0.1 .039⁺.004 -.000 OPTIONAL SWITCH TERMINALS SECTION A-A SCALE : 10X MOUNTING HOLE DETAIL VIEWED FROM MOUNTING SIDE DIMENSION: mm inch

Ordering Information

