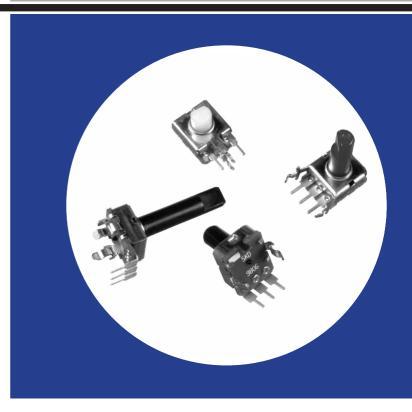


Series 296 Technical Data

Commercial 12mm Diameter Composition Variable Resistors

- Miniature 12mm size
- Low cost
- P.C. board mounting
- 500 ohms through 1 megohms
- Detent available



Electrical and Mechanical Specifications

Resistance Range

- Standard: 500 ohms through 1 megohms.
- Special: For non-standard resistance values, please contact CTS.

Resistance Tolerance

- Standard: ±20%
- Special: Tighter tolerances available in most resistance values.

Power Rating, Watts

- 0.15 watts @ 50°C derated to no load @ 85°C for linear curve.
- 0.1 watts @ 50°C derated to no load @ 85°C for regular non-linear curve.

Voltage Rating

Across end terminals: Standard 250 VDC; Special: 350 VDC load not to exceed wattage ratings at given ambient temperature.

Angle of Rotation

Total Rotation: 300° ± 5° Effective Electrical Rotation: 280° (approximate)

Rotational Torque

20 – 216 gcm

Stop Strength

5" lbs (5.76 kg-cm) minimum stop strength.

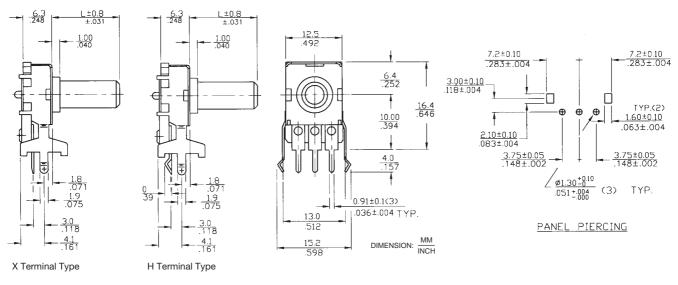
Mounting Information

P.C. board mounting Type "X": Control shaft parallel to P.C. board. Type "U": Control shaft vertical to P.C. board.

Detent

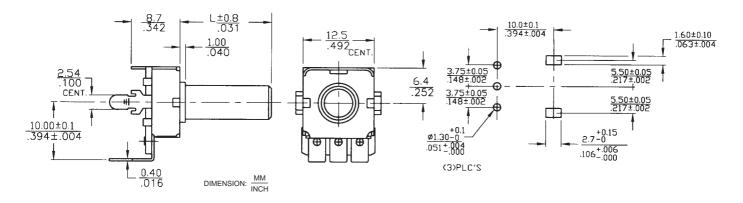
50% detent available.

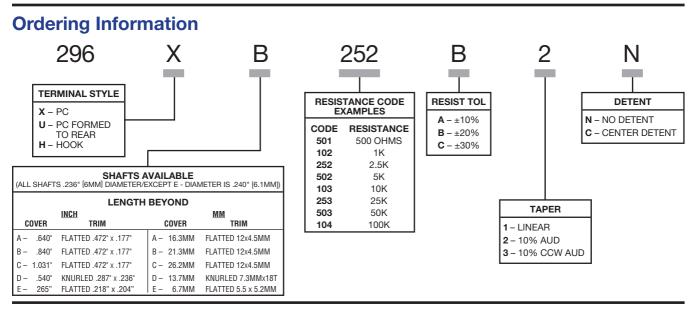
Technical Data Sheet 1296











Order From:

CTS CORPORATION, ELECTROCOMPONENTS / 1601 Mishawaka Street / Elkhart, Indiana 46514 North America Toll Free (888) 287-4690 / (219) 296-6700 / FAX: (219) 293-1240 http://www.ctscorp.com

CTS COMPONENTS TAIWAN, LTD. / 7, Central 6th Road (Chung Liu Road) / P.O. Box 26-20 Kaohsiung Export Processing Zone / Kaohsiung, Taiwan, Rep. of China (07) 8216145 / FAX: (07) 8417642.8110040