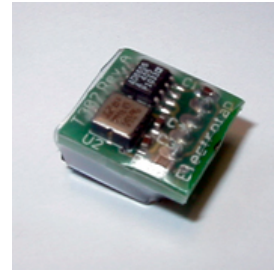


# T302C Single-Axis Accelerometer

## Technical Specifications



### Electrotap, LLC

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### Physical Attributes

Dimensions	5/8" (16mm) x 5/8" (16 mm) x 1/2" (11mm)
Solder Mask Color	Green
Encasement	Protective Heatshrink (clear)
Temperature Range	0°C to 70°C (32°F to 157°F)

### Sensing Specifications

Description	iMEMs Dual-axis accelerometer manufactured by Analog Devices.
Physical Range	+/- 2g, on two axes
Response Time	20ms

### Electrical Specifications

Voltage Source	5 Volts
Minimum Current Source	5 mA
Voltage Returned by Sensor	Industry Standard 0.25 Volts to 4.75 Volts, fully conditioned and buffered on each of two channels.
Connector Layout (Pin 1 indicated with arrow)	Pin 1: Ground Pin 2: Sensor Output, X-Axis Pin 3: Unused Pin 4: 5 Volts (power supply)

### Application Examples

- Detecting motion or changes of speed
- Tracking gestural energy
- Finding one axis of tilt (for this application the T200A Scaler is highly recommended)
- Applications recommended by the component manufacturer:
  - Tilt and motion sensing
  - Security
  - Pedometers and activity monitors
  - Game controllers
  - Toys and entertainment