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TMP006 Evaluation Module

(ACTIVE) TMP006EVM

Description & Features

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Key Document

TMP006EVM User Guide (Rev. A) (PDF 4278 KB)
14 Oct 2011 954 views [Read Abstract](#)

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Description

The TMP006EVM is a simple EVM designed to allow full evaluation of the TMP006 device. The EVM features the TMP006 device with the required specific PCB layout and some simple support circuitry. The GUI for the EVM implements the full object temperature calculations allowing the user to measure object temperatures with the TMP006EVM. The kit contains:

- TMP006EVM test board
- SM-USB-DIG platform controller
- USB Extension Cable
- Ribbon type extension cable
- Software CDROM

Features

- TMP006 specific PCB layout
- TMP006 object temperature calculations
- All required support circuitry
- Extension cable for insertion into user's systems

What's Included

- 10 position ribbon extension cable
- CD-ROM
- USB Extension Cable

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Part Number	Buy from Texas Instruments or Third Party	Buy from Authorized Distributor	Status	Lead-Free	RoHS	REACH	WEEE	HI-V (>50VRMS/75 VDC)	CE	CE-EMC	CE-RTTE/LVD	FCC	Batteries	Enclosure	Ext Power Supply
TMP006EVM: TMP006EVM	\$99.00(USD) In Stock Typically Ships in 1 to 3 Business Days Buy from TI	Pricing may vary. Buy from distributor	ACTIVE	Yes	Yes	Yes	NA	NA	NA	NA	NA	NA	No	No	No

Contact a Distributor

TI's Standard Terms and Conditions for Evaluation Modules apply.



Technical Documents





TMP006EVM Top View



Datasheet (2)



Title	Abstract	Type	Size (KB)	Date	Views
 TMP006/B Infrared Thermopile Sensor in Chip-Scale Package (Rev. D)		PDF	1273	21 Nov 2014	
 Infrared Thermopile Sensor in Chip-Scale Package (Rev. C)		PDF	830	21 Dec 2012	

User Guides (2)

Title	Abstract	Type	Size (KB)	Date	Views	TI Recommends
 TMP006EVM User Guide (Rev. A)	Read Abstract	PDF	4278	14 Oct 2011	954	✓
 TMP006 Layout and Assembly Guidelines	Read Abstract	PDF	1271	06 May 2011	732	

Related Products

Software (2)

-  [TMP006EVM User Software \(Rev. A\)](#)
(ZIP, 90951 KB) 288 views, 04 Oct 2011
-  [TMP006EVM Software Source Code \(Rev. B\)](#)
(ZIP, 3402 KB) 266 views, 04 Oct 2011

TI Devices (1)


Part Number	Name	Product Family
TMP006	Infrared Thermopile Contactless Temperature Sensor in WCSP Package	Temperature Sensors

Videos

Your System Status

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You need to update your Flash Player.



IMPORTANT: After installing the required upgrade please reload this browser window to view the video player.


Contactless Temperature Measurement Made Simple - TMP006

Developed through TI's expertise in MEMS technology, the TMP006 is the first of a new class of ultra-small, low power, and low cost passive infrared temperature sensors. It has 0% laser power.

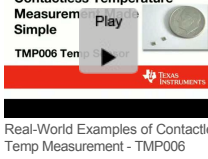
Posted: 03-Jun-2011
Duration: 02:19
Views: 2870

Tags: passive infrared (pir), consumer electronics, computers & peripherals, pyroelectric, contactless thermometry, thermopile, ir temperature sensor, mems thermopile, TMP006, infrared temperature measureme, English, contactless temperature measur
[To learn more about the TMP006. Get an EVM & order](#)

Related Videos



Contactless Temperature Measurement Made Simple - TMP006




Real-World Examples of Contactless Temp Measurement - TMP006

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Training & events

Name	Type	Available During
Georgia Tech MOOC: Control of Mobile Robots Learn how to make mobile robots move in effective, safe, predictable, and collaborative ways using modern control theory.	On-Line Training	On Demand
SimpleLink™ Wi-Fi CC3100 and CC3200 Project 0 Series - 5 Part Series Learn about using Software Tools for SimpleLink™ Wi-Fi CC3100 Boosterpack and CC3200 Launchpad	On-Line Training	On Demand
TI-RTOS Update Learn about the latest TI-RTOS features and more in-depth understanding of this TI software tool.	On-Line Training	On Demand
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