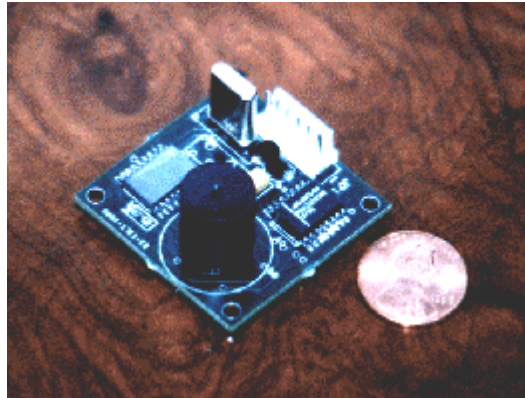


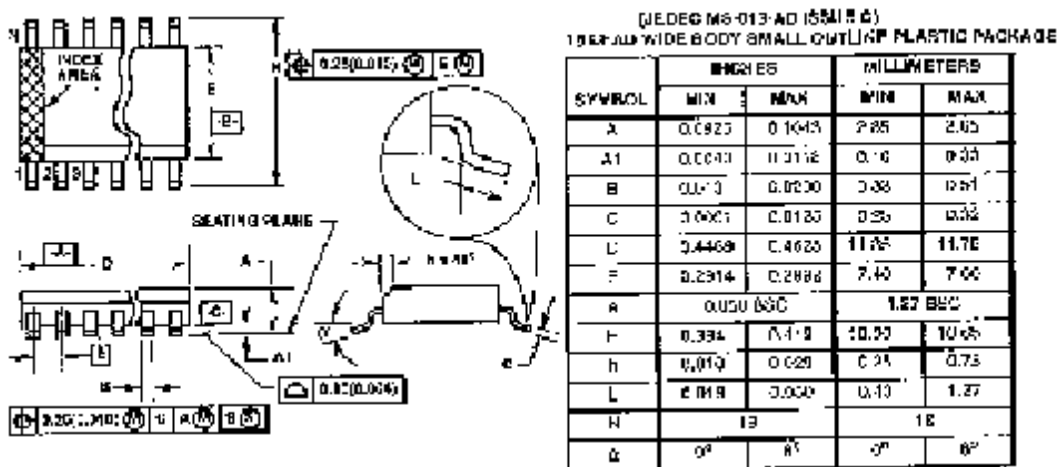
KuSaBa Engineers Pvt. Ltd.

EZ-TILT-1000 Dual Axis Conversion IC w/RS232 and EZ-TILT-1000 Evaluation board



The standard two degree of freedom single IC tilt module is built around a customized state of the art CMOS Microcontroller. The tiny SO18-SMD or DIP-18 customized IC is capable of providing continuous inclination information for dual axis tilt sensors in a standard RS-232 format with 8 bit resolution. An additional analog input on pin #17 is available for optional temperature or any other environmental input used for monitoring or correction of the output. Unit communicates through "TERMINAL " mode in Windows, or by utilizing custom software DX-232-A, which is provided at NO cost with each order. Single IC conversion module is perfectly suitable for large OEM markets such as VIRTUAL REALITY, TOYS, AUTOMOTIVE, COMPUTER, and CONSUMER ELECTRONICS. The IC or the EVALUATION module is able to operate with any Dual axis Electrolytic tilt sensor. It is available assembles and operates with the free demo software or via the hyper terminal mode. It is perfectly suitable for visual demonstration of the influence of viscosity and/or averaging on the response of the tilt module. Special test confirms if a tilt sensor includes self test to confirm sensors presence on POWER UP or RESET. The evaluation units is built on 1.5 x 1.5 inch PCB, and operates from a standard 9Vdc cell.

Specification	Data	Description/units
RANGE	Sensor dependable	Arcdeg monotonous
SUPPLY	5	Vdc
RESOLUTION	8	bit
RESPONSE TIME	20 mS	after request command
SENSING ELEMENT	Dual/Single axis	all sensors
CONSTRUCTION	so18 or DIP18	surface mount ot DIP
TEMPERATURE	-40 to +85	degC IC only
RS232	19200,8,N,1	with 8Mhz crystal



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