

Spinning Sun Sensor Rad-Hard Hi-Rel



Adcole Spinning Sun Sensors are uniquely designed to provide sun aspect angle and sun crossing pulses for spinning spacecraft. This information is used to determine spin rate and spin axis orientation relative to the sun

Specifications

Spinning Sun Sensor

The Adcole Miniature Spinning Sun Sensor is designed for use on small spinning satellites. This sensor has flown on the ST5 and Themis satellite clusters, and has been delivered for the NASA MMS program.

Parameters:

Field of View:	$\pm 87.5^\circ$ from normal to spin axis
Accuracy:	$\pm 0.25^\circ$
LSB Size:	0.125
Input Power:	+12 V to +15 V (consumption less than 0.5 W)
Output Power:	Parallel 11 data bits plus sun crossing pulse output
Weight:	0.25 kg max
Size:	57mm x 51.5mm x 51 mm

Configuration Features:

Fully integrated unit with optical heads and electronics processing circuitry.

Hundreds of Missions

