

Fine Sun Sensor ($\pm 50^\circ$)

RAD-HARD HI-REL

Adcole Space Fine Sun Sensors are used in attitude control applications where sub-arcminute accuracy and millidegree angular resolution are required.

Adcole Space Fine Sun Sensors are designed in single or two-axis configurations.

Each sensor can be custom designed to meet specific performance requirements for Field of View (FOV), accuracy, resolution, and other key parameters.

Adcole Space Fine Sun Sensors have flown on more than 100 spacecrafts; applications include high accuracy attitude determination, payload instrument pointing, and gyro updates.



PARAMETERS	
Field of View	100° x 100° (each sensor)
Accuracy	$\pm 0.01^\circ$ to $\pm 0.05^\circ$
LSB Size	0.001° to 0.004°

CONFIGURATION	
Number of Measurement Axes	1 (each sensor) Note: The two sensors can be mounted orthogonally and together function as a 2-axis sun sensor.
Number of Sensors	2 Note: Additional sensors can be paralleled as long as their Fields of View do not overlap.

HERITAGE

