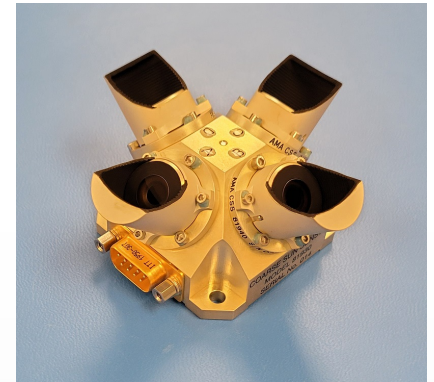


# COARSE SUN SENSOR PYRAMID

## RAD-HARD Hi-REL

The Redwire Coarse Sun Sensor (CSS) Pyramid is a 2 axis sensor containing four detectors, used for applications including solar array pointing, sun acquisition, and failsafe recovery.

- + The Coarse Sun Sensor Pyramid is a navigational instrument used by spacecraft to detect the position of the sun.
- + Redwire is able to design baffles to accommodate nearly any unique Field of View (FOV) requirements your mission requires.
- + The Coarse Sun Sensor Pyramid is Rad hard to more than 100 krad (Si).



## APPLICATIONS

- + Solar-Array Pointing
- + Sun Acquisition
- + Fail-Safe Recovery

## PARAMETERS

### 2 $\pi$ STERADIAN PLUS

Field of View

$\pm 1^\circ$  AT NULL (TYPICALLY)

$\pm 5^\circ$  THROUGHOUT LINEAR RANGE

Accuracy

### MOUNTING BASE 2.3"×2.3" (58×58) MM WITH BAFFLES 3.5"×3.5"×1.7" (89×89×43) MM

Dimensions

0.29 LB (0.13 KG) NOMINAL

Mass

### NONE

Input Power

500  $\mu$ A TO 1300  $\mu$ A, EACH DETECTOR

Peak Output

## CONFIGURATION

2

Number of Measurement Axes

4 PER BRACKET

Number of Detectors

2,6,8 DETECTORS PER BRACKET

Other Bracket Configurations

Sun Sensors are export controlled through an ECCN (Export Control Classification Number) issued by the United States Department of Commerce, ECCN 7A104. Export shipment requires successful application for an export license.



**MADE IN THE USA**

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## MISSION HERITAGE

- + MAVEN
- + SMAP
- + DSCS
- + UARS
- + EUVE
- + GPS IIR
- + GPS IIF
- + LANDSAT
- + MARS SURVEYOR
- + MARS ODYSSEY
- + STARDUST
- + ODIN/CYCLOPS
- + AMOS-1
- + AMOS-2
- + SPACEBUS 4000
- + TDRS
- + GOES
- + CLASSIFIED PROGRAMS

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### HERITAGE

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