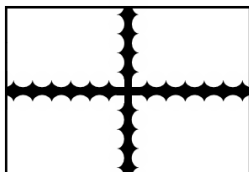


# SS-411 Two-Axis Digital Sun Sensors



<b>Accuracy</b>	$\pm 0.1^\circ$ over $\pm 70^\circ$ Field-of-View
<b>Earth Albedo Error</b>	Rejected by internal digital processor
<b>Bandwidth</b>	5 vector solutions / second
<b>Command / Telemetry</b>	UART, SPI, I <sup>2</sup> C, CAN or RS-485
<b>Mechanical</b>	34 mm x 32 mm x 21 mm, 34 g mass
<b>Outer Surfaces</b>	Low emissivity gold, scratch-proof sapphire
<b>Supply Voltage</b>	5.0 to 50.0 V
<b>Supply Current</b>	7.5 mA avg, 27 mA peak
<b>Environment</b>	-25°C to +50°C operating 16 grms random vibration, 5000 g shock 20 krad total dose at components
<b>Heritage</b>	22 Sensors on-orbit 58 Additional flight units awaiting launch



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