



PST35-G2 STAR TRACKER

Is a fully autonomous ultra small high precision attitude sensor, can be applied to cubic satellites, customizable design for a wide range application needs.

PDF

Dimensions		
Sensor + Baffle	33×33×96mm ³	
Mass		
Sensor + Baffle	<106 g	
Optical Design		
Lens	refractive	
Environmental Tolerance		
Vibration(Flight mode)	sine 13g, random 12 grms	
Vibration(Qualification testing)	sine 16g, random 18 grms	
Radiation Hardness	20 Krad [si]	
Thermal	-40~+40 (°C)	
Performance		
Field of View	15° × 18° [effective]	
Attitude Accuracy	<5" [3σ] pointing	<50" [3σ] rolling
Update Rate	≥10 Hz	
Slew Rate	3° /s	
Sensitivity	5.8Mv, G0.Ref star	
Exclusive Angle	Sun: <35°	Earth: <25°
Data Interface		
	422/CAN	
Power Consumption		
	0.7±0.1W	
Operating Modes		
	Boot, Autonomous attitude determination, Nominal attitude tracking, Photo	
Input Voltage Range		
	5V	
Life Time		
	3years(500Km orbit)	