

EEETester: Development of CubeSat platform for space heritage of Korean manufactured Electrical, Electronics, and Electromechanical part

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- electrical and electronic equipment
- reliability



Parameter		ameter	Specification	
Payload	Mass		Up to 14 kg	
	Size		Up to 8U	
			(200 mm x 200 mm x 200 mm)	
	Power		20 W (100 % duty)	
	Power channel		3.3V(4ch), 5V(3ch), 12V(3ch),	
			VBAT(1ch)	
	Protocol I/F		CAN(1ch), I2C(1ch), RS422(4ch),	
			SpW(1ch), RS232(1ch), SPI(2ch)	
Bus	Attitude Control	Mode	Detumble, Sun pointing,	
			and G/S tracking	-
		Pointing	0.05 deg.	
		Accuracy		-
		Off nadir	20 deg.	-
	Power	Power	97.29 W	
		Generation		-
		Power	35.39 W (Inc. Payload 20 W)	
		Consumption		
		Battery	186 Wh	-
		DoD	Up to 30 %	-
	Comm.	S-band	Up to 256 kbps	
		Uplink		
		S-band	Up to 2 Mbps	
		Downlink		-
		X-band	Up to 50 Mbps	
		Downlink		



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