



# Technical Specifications

POWER	5W	50W	Operating Voltage below 1V				0.3V@2.5A / 0.15V@1.25A	
CURRENT	0-0.5A	0-5A	Min Voltage on Full Load				0.6V@5A	
VOLTAGE	1-75V	1-75V	Module Power Consumption				12V@0.4A	
	Constant I Mode		Constant V Mode					
RANGE	0-0.5A	0-5A	1-2V	1-7.5V	1-20V	1-75V		
RESOLUTION	0.125mA	1.25mA	0.5mV	2mV	5mV	20mV		
ACCURACY	± 0.15%FS	± 0.05%SET±4mA	±15mV	±20mV	±40mV	±120mV		
TEMP. COEF.	Maximum 100 PPM/°C		Maximum 100 PPM/°C					
CONSTANT R MODE	Range		Resolution	Accuracy		Temp Coefficient		
0-2V INPUT RANGE	9.35S-2.5S / 0R107-OR 4		2.36mS	±1% SET ±15mA		200 PPM/°C		
0-7.5V INPUT RANGE	2.5S-0.94S / OR4-1R067		0.63mS	±1% SET ±15mA		200 PPM/°C		
0-20V INPUT RANGE	0.94S-0.25S / 1R067- 4R		0.236mS	±1% SET ±15mA		200 PPM/°C		
0-75V INPUT RANGE	0.25S - 63µS / 4R-16K		63µS	±1% SET ±15mA		200 PPM/°C		
MEASUREMENT	Range		Resolution	Accuracy		Output		
VOLTAGE READBACK	0-2V		15bit (62.5µV)	±0.05% ACT ±5mV		N/A		
	0-7.5V		15bit (0.23mV)	±0.05% ACT ±0.1%FS		N/A		
	0-20V		15bit (0.625mV)	±0.05% ACT ±0.1%FS		N/A		
	0-75V		15bit (2.3mV)	±0.05% ACT ±0.1%FS		N/A		
CURRENT READ-BACK	0-0.5A (Low)		0.015mA (Low)	±0.05% ACT ±0.75mA		N/A		
	0-5A (High)		0.15mA (High)	±0.05% ACT ±0.25mA		N/A		
POWER READ-BACK	0-5W	0-50W	0.0625mW	0.125mW		N/A		
CURRENT MONITOR OUTPUT	0-0.5A	0-5A	N/A	±1% FS		0-5V		
SLEW RATE	2mA/µs~0.5µs for 0 to 5A operation							
EXTERNAL CONTROL	0-5V gives 0 to full-scale current (5A)							
OPERATING TEMP.	5-40°C (Note: For ambient temperatures over 35°C, power dissipation derates by 4W/°C)							
DIMENSIONS	261mm (Height) 40mm (Width) 390mm (Depth)							
ORDERING INFORMATION								
Part Number:	721-0004 (for a 6U Rack) 722-0004 (for a 1U Assembly)							
Description	5A/75V/50-Watt Load							

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SYSTEMS

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