

OpenATE PEMU4

USB High Performance SMU Case

- 4 SMU up to 500mA/ -1.0 ~ +6.5V output /
- 4 SMU up to 50mA/ -2.0 ~ +7.5V output /
- 8 DUT relay driver
- 20 MHz data rate
- I2C Master to 400KHz CLK
- SPI Master to 1 MHz CLK
- 4 32 bit/ 10 ns counter/TMU
- API



Description

The PEMU4 represents a new level of performance and capabilities for PXI/USB SMU (Source Measurement Unit) instrumentation. The PEMU4 supports -1V to +6.5V 0.5A with FVMI, FVMV, FIMV, FIMI modes. 4 channel can be ganged to support high current driving.

Software

The PEMU4 is supplied with API

Compatibility

All OpenATE Interfaces PXI/USB case comply with the Universal Serial Bus Specification 2.0

Application

- Automatic Test Equipment(ATE)
- Power supply for electronics device
- Semiconductor test
- LED / laser diode test
- Power electronics test
- Sensor test
- Electric vehicle test

Secifications

• SMU			Number of VRange x 1	VR1:-1V ~ +6.5V
Number of SMU		4	• Physical Properties	
Accuracy	FI	0.25%+20nA	Dimensions	L * W * H
	MI	0.5%+20nA	Power Requirements	12 V@A6
	FV	0.1%+10mV		
	MV	0.1%+10mV	• Environmental	
Number of IRange x 6		IR1: ±5uA	Operating Temperature: 0 ~ 50°C	
		IR2: ±50uA	Storage Temperature : -20 ~ 70°C	
		IR3: ±500uA	• Maximum boards in one system : 8	
		IR4: +5mA		
		IR5: +50mA		
		IR6: +500mA		

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The Open Solution for IC Tester

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