



DESCRIPTION

The Photek wrap around power supply unit is designed specifically for use with Photek Image intensifiers. The power supply provides the necessary high voltages needed to control intensifiers with up to 3 microchannel plates. The wrap around power supply requires a single 5 V input to function and draws approximately 300 mA current when in operation. The typical application for the power supply is encapsulated within an image intensifier housing. Under these circumstances all the electrical connections required are made by Photek during manufacture.

TYPICAL VALUES

These values are typical of this design, and may vary within a certain tolerance. Where required Photek Limited will

CHARACTERISTICS	MINIMUM VALUE	MAXIMUM VALUE	UNITS
Operating Voltage	+4.5	+5	V
Operating Current	200	300	mA
Min. Operating Current	-	55	mA
Test Load	-	20	M ohms
MCP Max. Voltage	0	+2500	V
PSU Ground	-	MCP input	-
Photocathode Voltage	-170	-200	V
Screen Voltage	+4800	+5500	V
Control Voltage 0 V	+2500	-	V
Control Voltage 1 V	+2000	-	V
Control Voltage 2 V	+1600	-	V
Control Voltage 3 V	+1150	-	V
Control Voltage 4 V	+800	-	V
Control Voltage 5 V	+400	-	V

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