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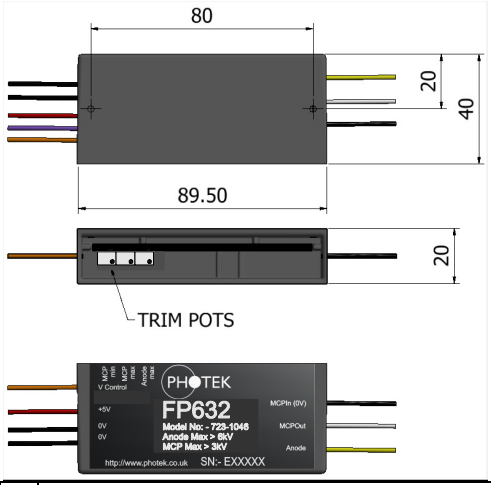
PRODUCT NO:-
723-1046

FP632

Anode/Screen & Triple MCP Power Supply

The FP632 module is a +5V input, 6000V, 2800V and –200V triple output power supply designed to supply an image intensifier tube in grounded "MCP In" mode.
This unit requires an external +5V/300mA d.c. power supply.
The MCP maximum and minimum voltages are user adjustable between 100V and 2800V with a minimum resistance of 50Mohm. The MCP maximum must be pre-set while the voltage control input is at 5V. The MCP minimum must be pre-set when the voltage control input is at 0V. MCP max must be adjusted before MCP min.
The Anode/Screen output voltage is a nominal value between 1000V and 6000V (wrt MCPOut) and may be pre-set to any voltage within this range. The Anode/Screen floats on top of the MCP Out and tracks any voltage control adjustments made to the MCP.
The cathode of the FP632 is fixed at a nominal value of -200V.

PSU Connectiions	
Inputs	
Red	+5V
Black	0V
Orange	Voltage Control
Output s	
Yellow	Screen
White	MCP Out
Black	MCP In (0V)
Blue	Cathode



Electrical Specifications - Inputs	
Supply Voltage	5V D.C. ±5% (5.5V Absolute Maximum)
Supply Current (max)	300mA
Startup Current Surge	<500mA
Electrical Specifications - Outputs	
MCP O/P Voltage Max.	>2800V
MCP Min Load	50MΩ
Anode O/P Voltage Max.	>6000V
Anode O/P Current Max.	1uA
Cathode O/P Voltage Max.	-220V
Cathode Impedance	2GΩ

Mechanical Specifications	
Length	90mm
Width	40mm
Height	20mm
Weight	<90g
Operating Temperature Range	
Minimum	0°C
Maximum	50°C
Wire Specifications	
Teledyne Reynolds Micro-Flex	18kV
Wire Length (PTFE awg28)	>200mm

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Photek reserves the right to amend general information contained in this manual without prior notice.

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