

SUNSTAR传感与控制 http://www.sensor-ic.com/ TEL:0755-83376549 FAX:0755-83376182 E-MAIL:szss20@163.com

## Electro Optical Components, Inc.

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**MCP Series** 

**Defense oriented development** 



Your source for reliable high-voltage power supply components

## High-voltage power supply unit for 2<sup>nd</sup> generation low-impedance microchannel plates with resistive anode readout

- operational temperature: -55°C to +95°C
- low consumption: 69mA typical (measured at 2KV, 100MO load and 25°C); <100mA over the whole operational temperature range
- input voltage: +5V
- MCP voltage (micro-channel plate)
  - adjustable to 3000V
  - 100µA max. current
  - ultra low temperature drift (25ppm/°C)
  - regulated with loads between 30MO and 8
- cathode voltage
  - two modes: ON (-280V) and OFF (+50V); the switching of the power supply is controlled by the anode current discriminator.
- anode voltage
  - 330V floated on the MCP voltage supply
  - 4µA max. current
  - noise and ripple (with respect to ground) <500mV
- anode current trip
  - in case of overcurrent, the cathode voltage is switched to the OFF mode (+50V) for 225ms. SUNSTANTIAL INTERIOR INTERIOR OF 10. COM/ IEE: 0755-83376489 FAX:0755-83376182 E-MAIL:szss20@163.com threshold current between 0.8µA and 4µA

