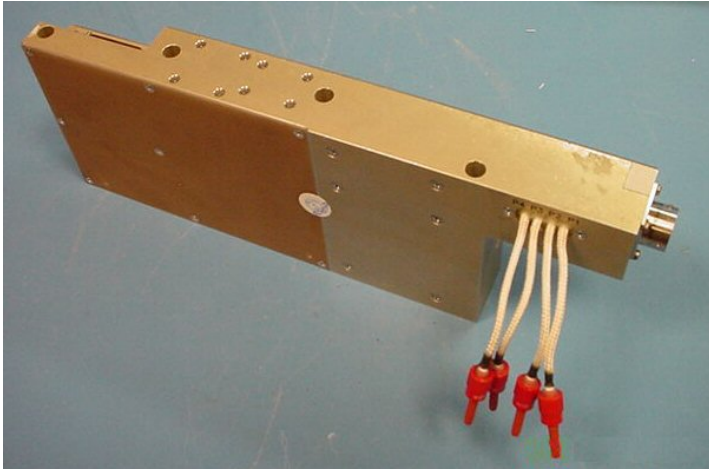


PSH99022 High Voltage Power Module

DESIGN FEATURES

- Compact High Voltage Power Module
- Designed for Airborne Applications
- Dual Depressed Collector and Grid Modulator Voltages
- Grid Pulsed for pulse applications up to 20 KHz
- Multi-Mode, Pulsed and CW Applications
- MTBF > 30,000 hours



Electrical Specifications

| | |
|---------------------------|--------------------|
| Input Power | 270 VDC |
| Output Power | 1.5 kW |
| Cathode Voltage | -5200 to -5600 VDC |
| Collector 1 Voltage | 2083 V wrt K |
| Collector 2 Voltage | 3510 V wrt K |
| Grid Voltage: | |
| ON State | -290 V wrt K |
| OFF State | 250 V wrt K |
| Heater Voltage | 6.3 ± 0.3 VDC |

Mechanical Characteristics

| | |
|--------------|-----------|
| Length | 13.58 in. |
| Height | 5.08 in. |
| Width..... | 1.63 in. |
| Weight | 6.7 lbs. |

Environmental Specifications

| | |
|-----------------------------|------------------------------------|
| Operating Temperature | -55 to +87°C |
| Operating Altitude | 40,000 ft. |
| Reliability..... | >30,000 hours MTBF A _{UF} |

Control and Monitoring

Control Interface

- Remote Cathode Adjust
- Remote Grid Adjust
- High Accuracy Cathode Stability (±1 V)
- High Accuracy Grid Stability