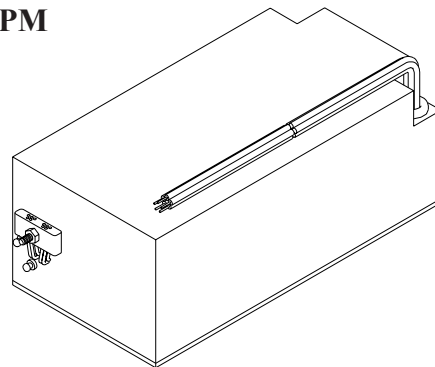


SOLID STATE DEVICES, INC.

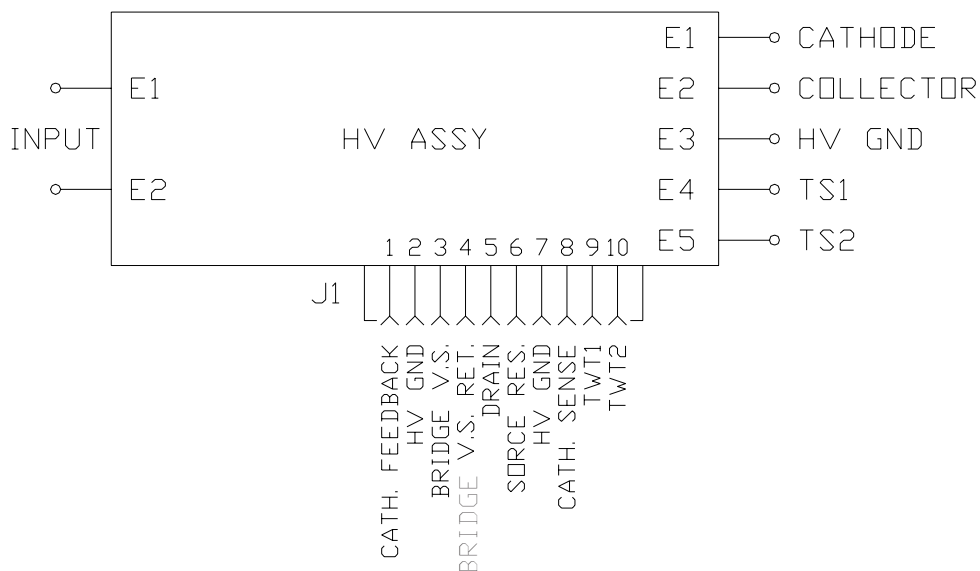
14005 Stage Road * Santa Fe Springs, Ca 90670
 Phone: (562) 404-4474 * Fax: (562) 404-1773

DESIGNER'S DATA SHEET**SDA441-01**
**5 kV DC - DC
 DUAL HIGH VOLTAGE
 CONVERTER**
ASPM**FEATURES:**

- **Application:** Airborne Dual TWT High Voltage Converter
- **1 kW Output Power**
- **High Power Density (more than 50W/in³)**
- **Minimum 95% Output Efficiency**
- **Minimum Operational Altitude 50,000 ft.**
- **Designed for Low EMI and Noise**
- **Space Level Version Available**
- **Consult Factory for:**
 - **Alternate Output Voltages**
 - **Application Specific Terminations.**

MAXIMUM RATINGS

CHARACTERISTIC		SYMBOL	VALUE	UNIT
INPUT	Voltage	V_{IN}	300	Volts _{pp}
	Frequency	f_{OP}	50	kHz
OUTPUT	Cathode	V_{CATH}	6,000	Volts
	Collector	V_{COLL}	3,000	Volts
	Ripple	V_{RIPPLE}	10	Volts
Operating and Storage Temperature Range		T_{OP} T_{STG}	-40 TO +87 -40 TO +125	°C

ELECTRICAL SCHEMATIC

NOTE: All specifications are subject to change without notification.
 SCD's for these devices should be reviewed by SSDI prior to release.

DATA SHEET #: PM0006A

