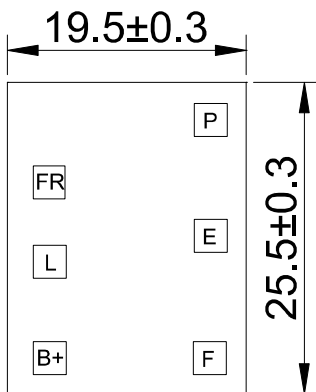


1. Substrate Diagram



2. System Regulator Module Features

- Voltage Set Point: 14.5V
- Regulation: A-Circuit
- Active Lamp
- Soft Start
- Lamp Activated
- 2.5 Sec. LRC
- LED Type
- Self Exciting

3. Safety Features

- Overvoltage & Undervoltage Indication
- Rotor Short Indication
- Field Short Circuit Protection
- Lamp Short Circuit Protection
- Thermal Protection

4. Electrical Characteristics

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T _{OP}	-40	---	125	°C
Field Current	I _F	---	5	---	A
Default Voltage Set Point (6000 RPM with 10% load)	V _{SET}	14.30	14.50	14.70	V
Default Secondary Set Point (6000 RPM with 10% load)	V _{SET2}	---	---	---	V
Computer Set Point (3000 RPM with 10% load)	V _{SETC}	---	---	---	V
Speed Regulation (2000 to 6000 RPM with 10% load)	V _{SR}	---	---	0.3	V
Load Regulation (10% to 90%load @ 6000 RPM)	V _{LR}	---	---	0.5	V
Saturation Voltage @ 5A,12Volts	V _{SAT}	---	---	0.5	V
Standby Current Drain (Key Off, V _{BAT} = 12.6V)	I _{SB}	---	---	1	mA
Temperature Coefficient	T _C	-10	-7	-4	mV/°C