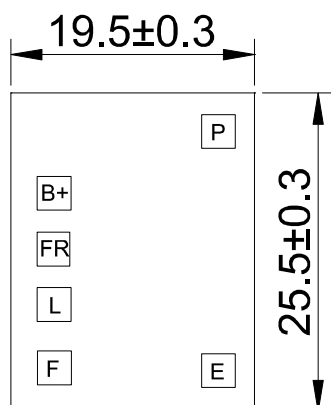


1. Substrate Diagram



2. System Regulator Module Features

- Voltage Set Point: 14.5V
- Regulation: B-Circuit
- Active Lamp
- Soft Start
- Lamp Activated
- 5 Sec. LRC
- LED Type
- Stator Start

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	$^{\circ}C$
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/ $^{\circ}C$