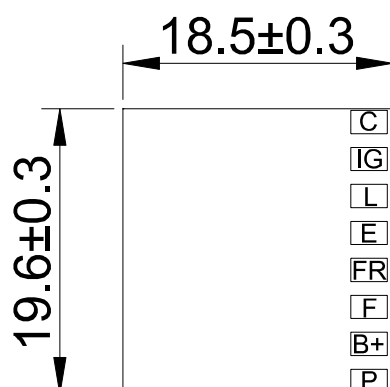


## 1. Substrate Diagram



## 2. System Regulator Module Features

- Voltage Set Point: 14.5V
- Regulation: B-Circuit
- Lamp: 12V/3W
- Soft Start
- Ignition Activated
- Standard Lamp
- 3.8 Second Half LRC
- DFM Function
- C-Function
- LED Type

## 3. Safety Features

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

## 4. Electrical Characteristics

PARAMETERS AND CONDITIONS	SYMBOLS	MIN.	TYP.	MAX.	UNITS
Operating Temperature Range	T <sub>OP</sub>	-40	---	125	°C
Field	I <sub>F</sub>	---	5	---	A
Default Voltage Set Point (6000 RPM with 10% load)	V <sub>SET</sub>	14.25	14.50	14.75	V
Default Secondary Set Point (6000 RPM with 10% load)	V <sub>SET2</sub>	---	---	---	V
Computer Set Point (3000 RPM with 10% load)	V <sub>SEC</sub>	12.50	12.80	13.10	V
Speed Regulation (2000 to 6000 RPM with 10% load)	V <sub>SR</sub>	---	---	0.3	V
Load Regulation (10% to 90%load @ 6000 RPM)	V <sub>LR</sub>	---	---	0.5	V
Saturation Voltage @ 5A,12Volts	V <sub>SAT</sub>	---	---	0.5	V
Standby Current Drain (Key Off, V <sub>BAT</sub> = 12.6V)	I <sub>SB</sub>	---	---	1	mA
Temperature Coefficient	T <sub>C</sub>	-10	-7	-4	mV/°C