



LED MR16/11 Power Module

Solomon Systech LED MR16/11 Power Module offers high efficiency and long lifetime performance for LED lighting.

Features

- High Efficiency
- Long Lifetime (>35,000 hrs)
- Compact in Size
- Light Weight (~5g)
- Compatible with Magnetic / Electronic Ballast
- Safe and Reliable
- Operation Temperature Range: -20°C ~ 85°C
- Storage Temperature Range: -40°C ~ 125°C
- Operation Environment Humidity: 20% ~ 95%RH

Applications

- Spot Lighting (MR16, MR11)

Safety Requirement

- Safety Compliance – CE Standard
- Health Compliance – RoHS

Product Selection Guide

Part Number	SSM1051AMGA1	SSM1051AMGA2	SSM1051AMGA3
Typical LED Emitter Matrix and Power	1 W x 3 Serial (2.5W Output)	1W x 3 Serial (4W Output)	2 Parallel of 1W x 3 Serial (6.5W)
AC Input Voltage Range	12 ~ 20V (50/60Hz)	12 ~ 20V (50/60Hz)	12 ~ 20V (50/60Hz)
DC Input Voltage Range	6 ~ 25V	6 ~ 25V	6 ~ 25V
Output Current	300mA +/-5%	420mA +/-5%	670mA +/-5%
Maximum Output Power	6W	9W	14W
Efficiency	>87%	>87%	>84%
Size and Dimension	PCB = 18.4mm x 14mm (L x W), Pin Length = 11.5mm, Module Thickness = 9.5mm (H)		

Part Number	SSM1051AMGA4	SSM1051AMGA5
Typical LED Emitter Matrix and Power	1W x 3 Serial (3W Output)	3W x 1 (3.2W Output)
AC Input Voltage Range	12 ~ 20V (50/60Hz)	12 ~ 20V (50/60Hz)
DC Input Voltage Range	6 ~ 25V	6 ~ 25V
Output Current	350mA +/-5%	1000mA +/-5%
Maximum Output Power	7W	14W
Efficiency	>87%	>74%
Size and Dimension	PCB = 18.4mm x 14mm (L x W), Pin Length = 11.5mm, Module Thickness = 9.5mm (H)	

LED T8 Tube Power Module



LED T5 Tube Power Module



LED Tube Power Module

Solomon Systech LED Tube Power Module offers high efficiency and long lifetime performance for LED lighting. It is light in weight and easy to be installed in T8/T5 tube.

Features

- High Efficiency
- Power Factor > 0.8
- Long Lifetime (>35,000 hrs)
- Compact in Size – Fit for T-Tube Housing
- Light Weight (15g)
- Safe and Reliable
- Operation Temperature Range: -20°C ~ 85°C
- Storage Temperature Range: -40°C ~ 125°C
- Operation Environment Humidity: 20% ~ 95%RH

Applications

- T8 Tube
- T5 Tube

Safety Requirement

- Safety Compliance – CE Standard
- Health Compliance – RoHS

Product Selection Guide

LED T8 Tube Power Module

Part Number	SSM1057TGA1	SSM1057TGA2	SSM1057TGA3
Input Voltage	220V AC (50/60Hz)	220V AC (50/60Hz)	85 ~ 265V AC (50/60Hz)
Output Constant Current	120mA +/- 5%	60mA +/- 5%	350mA +/- 5%
Designed Tube Output Power	16W	8W	16 ~ 20W
Default LED Matrix	46 x 6 (0.06W)	46 x 3 (0.06W)	18 x 1W
Operating Efficiency	85% ~ 95%	85% ~ 95%	75% ~ 85%
Operating Temperature	-20°C ~ 85°C	-20°C ~ 85°C	-20°C ~ 85°C
Operating Humidity	20% ~ 95%RH	20% ~ 95%RH	20% ~ 95%RH

LED T5 Tube Power Module

Part Number	SSM1057TGB1	SSM1057TGB2	SSM1057TGB3
Input Voltage	220V AC (50/60Hz)	220V AC (50/60Hz)	85 ~ 265V AC (50/60Hz)
Output Constant Current	80mA +/- 5%	40mA +/- 5%	350mA +/- 5%
Designed Tube Output Power	15W	7.5W	16 ~ 20W
Default LED Matrix	46 x 4 (0.06W)	46 x 2 (0.06W)	18 x 1W
Operating Efficiency	85% ~ 95%	85% ~ 95%	75% ~ 85%
Operating Temperature	-20°C ~ 85°C	-20°C ~ 85°C	-20°C ~ 85°C
Operating Humidity	20% ~ 95%RH	20% ~ 95%RH	20% ~ 95%RH

