



SPM10WL

White LED Power Module for Lighting

DESCRIPTION

SPM10WL is the white LED module for lighting application. The module accepts universal input. This module is suited for white LED lamp applications up to 8 LEDs in series.

FEATURE

- Universal Input
- Constant Current

ABSOLUTE MAXIMUM RATINGS (Ta = 25 Unless otherwise noted)

Parameter	Symbol	Typical	Unit
Input Voltage	V _{IN}	265	V
Gate-Source Voltage	V _{GSS}	±12	V
Output Power	P _O	10	W
Operation Temperature	T _{OP}	-10/70	
Storage Temperature Range	T _{STG}	-40/150	

ELECTRICAL CHARACTERISTICS (Ta = 25 Unless otherwise noted)

Parameter	Symbol	Min	Typ	Max	Unit
Input Voltage	V _{IN}	90		240	V
Input Current	I _{IN}			600	mA
Output Voltage	V _{OUT}	12		30	V
Output Current	I _{OUT}			800	mA



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EFFICIENCY

4 LEDS

Input Voltage (AC)	Output Wattage (W)	Efficiency (%)
90	4.095	74.5
100	4.039	70.4

DIMENSION

PART NUMBER	DIMENSION
SPM10WL	4cm Φ x 2cm

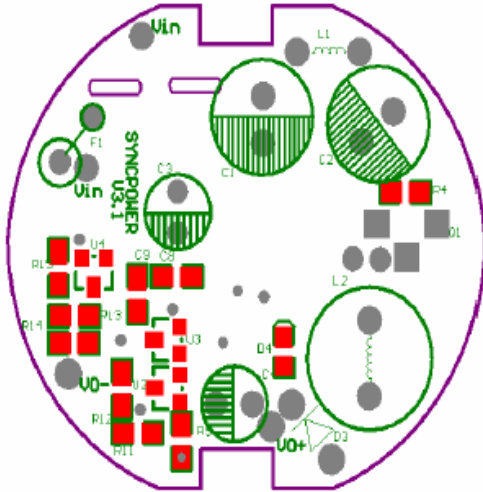


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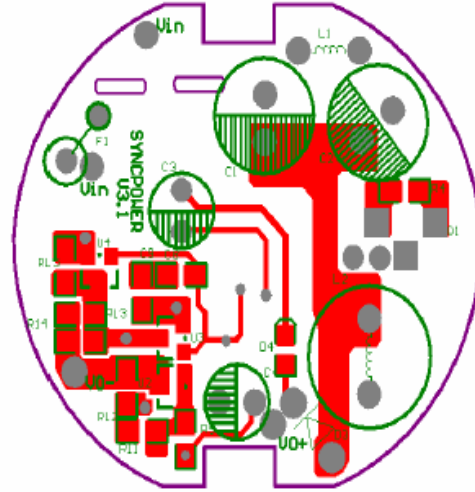
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BOARD LAYOUT

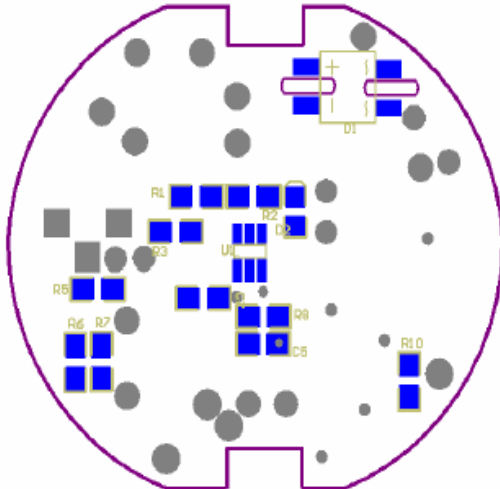
Top Overlay



Top Layer



Bottom Overlay



Bottom Layer

