



SPM10WL

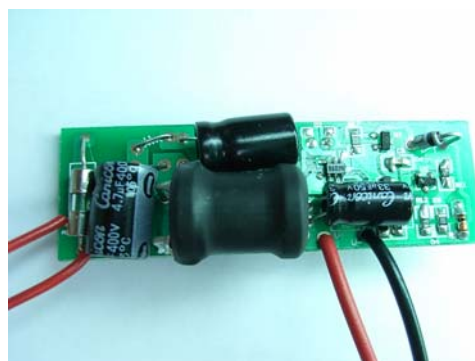
White LED Power Module for Lighting

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 7 LEDs in series for 8W~12W application.

FEATURES

- Universal Input
- Constant Current
- High Efficiency
- High Performance and Low Cost



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Parameter	Symbol	Typical	Unit
Input Voltage	V_{in}	265	V
Output Power	P_{out}	12	W
Operation Temperature	T_{oper}	-10/70	$^\circ\text{C}$
Storage Temperature Range	T_{stg}	-40/150	$^\circ\text{C}$



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ELECTRICAL CHARACTERISTICS (Ta = 25°C Unless otherwise noted)

Parameter	Symbol	Min	TYP	Max	Unit
Input Voltage	Vin	90		260	V
Input Current	Iin			170	mA
Output Voltage	Vout	12		27	V
Output Current*	Iout			700	mA

*Out Current needs to be decided before ordering.

EFFICIENCY

VIN (AC)	IIN (A)	PIN (W)	VDD (V)	VOUT (V)	IOUT (A)	EFF (%)
260	0.0915	9.66	24.4	24.62	0.313	79.8%
240	0.0959	9.59	24.3	24.83	0.311	80.5%
220	0.105	9.51	24.3	24.89	0.308	80.6%
140	0.1345	9.07	24.3	24.48	0.299	80.7%
110	0.158	9.16	24.1	24.578	0.301	80.7%
90	0.1852	9.54	24	24.796	0.309	80.3%

DIMENSION

PART NUMBER	DIMENSION
SPM10WLS-x	4cmΦ x 2.35cm
SPM10WLR-x	2.1cm W x 6.15cm L x 2.1cm T

ORDERING INFORMATION

PART NUMBER	OUTPUT CURRENT
SPM10WLS-4	350 mA
SPM10WLS-7	700 mA
SPM10WLR-4	350 mA
SPM10WLR-7	700 mA



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SYNC Power Corporation

7F-2, No.3-1, Park Street

NanKang District (NKSP), Taipei, Taiwan 115

Phone: 886-2-2655-8178

Fax: 886-2-2655-8468

<http://www.syncpower.com>
