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Specification for Inverter 1P

Application : LED 1 P 50W (46V 1.2A)

This specification is applied to LED inverter unit for LCD backlight

Feature:

Over Voltage Protection

Destiny Current Protection

Under VoltageLock Out

MAXIMUM RATINGS*

Symbol	Parameter	Value	Unit
Vin	Supply Voltage	12 ~ 24V	Vdc
I _{max}	Input Current	4.6 ~ 2.3	Adc
P _{max}	Output power	55.00	Watts
Top	Operating Temperature	-20 ~ 70	C°
Tst	Storage Temperature	-40 ~ 85	C°

LED Rail Output

Mating Connector CN2/CN3

Pin No.	Signal
1	+Vout : 46V 1.2A
2	-Vout

CONNECTORS

Voltage Input

Mating Connector CN1

Pin No.	Signal
1	12~24VDC
2	GND
3	Internal PWM (DC Power Control Duty, 0~5V);(0V, 100% Duty) for
4	GND
5	ON/OFF(2.5~5V ON, 0~0.8V OFF)

RECOMMENDED OPERATING VALUES

Symbol	Parameter	Typical Value	Unit
Vin	Supply Voltage	12~24V	Vdc
L _{high}	Logic Input High	2.5 ~ 5	Vdc
L _{low}	Logic Input Low	0~ 0.8	Vdc
Din	Dimming Potentiometer	0 ~ 5.0	Vdc



