

TPI-04-0502

Features

Four lamps output supply

7.0mA-output current

Voltage range: 10.8-13.2

Dimming voltage range 0Vto5V



Electrical Characteristics

Item	Symbol	Unit	Specification			Condition	
			min	typ	max	Vin(V)	RL(kΩ)
Input Voltage	Vin	V	10.8	12.0	13.2		
Input Current	Iin	mA			2800	10.8	100
Output Current	Iout(Max Dimming)	mArms	6.5	7.0	7.5	12.0	100
	Iout(Min Dimming)		2.5	3.0	3.5	12.0	100
Output Voltage	Vopen	V	1400	1500		12.0	100
	Vlamp		635	700	765	12.0	100
Frequency	Freq	KHZ	40	50	58	12.0	100
Efficiency	η	%	80			12.0	100

Other Specifications

Dimming Function	PWM	
Open Circuit Protection	Yes	
Operation Temperature	-20 ~ 75	°C
Storage Temperature	-20 ~ 85	°C
Operation Humidity	90	RH%
Storage Humidity	90	RH%

Connector

Number	Part number	Model/Material	Quantity	Remarks
1	PCB	Composite (FR-4)	1	UL94V-0 t=1.6mm
2	Input connector CN1	JS-1261R-07	1	compatible JST PN: S7B-PH-SM4-TB
3	Output connector CN2,CN3,CN4,CN5	JS-2012-02	4	compatible JST PN: SM02B-BHSS-1-TB

Terminal Numbers And Functions

Input side CN1

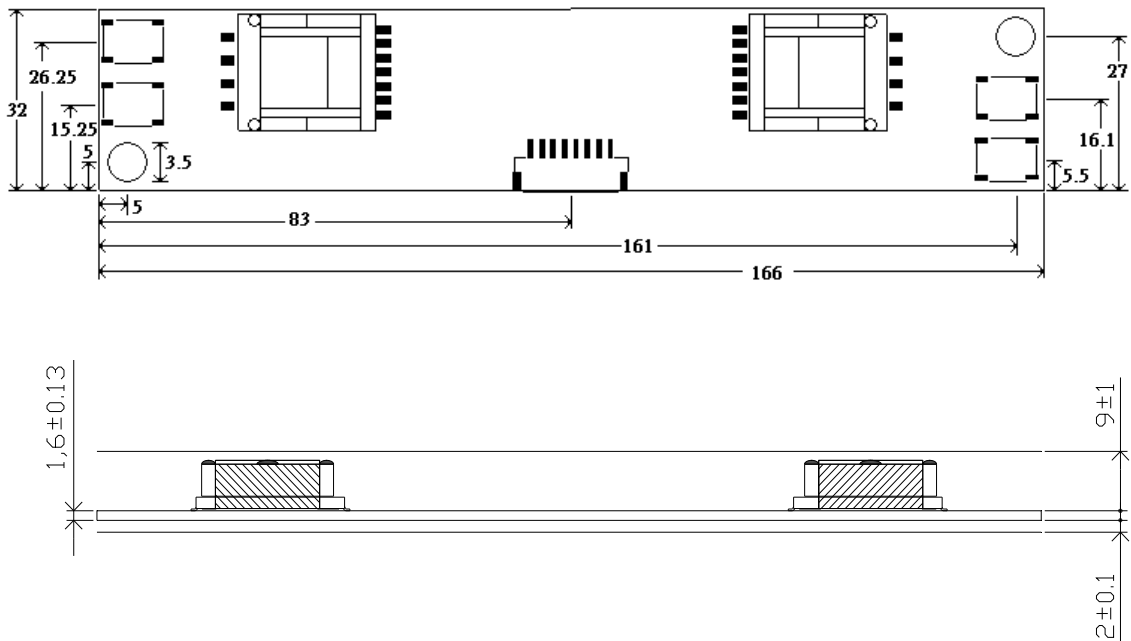
Terminal Number	Symbol	Rated Voltage	Remarks
1,2,	VIN	10.8~13.2 V	
5	ON/OFF	ON:2.8~5V OFF:0~1V	
7	DIMMING	Max. Current Limit (0V=7.5mA; 5V=3.5mA)	
3,4,6	GND	POWER GROUND	

Output side CN2,CN3,CN4,CN5

Terminal Number	Symbol	Rated Voltage	Remarks
1	HV	High voltage output	
2	LV	Return	

Physical Dimensions:(Unit:mm)

(Mechanical drawing)



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