TPI-01-0110

Features

One lamps output supply
6.0mA-output current
Voltage range：8.0-21.0
Dimming voltage range 0Vto5V

Electrical Characteristics

Item	Symbol	Unit	Specification			Condition	
			min	typ	max	Vin(V)	RL(kΩ)
Input Voltage	Vin	V	8.0	12.0	21.0		
Input Current	Iin	mA			650	8.0	92
Output Current	Iout(Max Dimming)	mArms	5.5	6.0	6.5	12.0	92
	Iout(Min Dimming)		0.8	-	1.5	12.0	92
Output Voltage	Vopen	V	1500			12.0	-
	Vlamp			550		12.0	92
Frequency	Freq	KHZ	50	-	80	12.0	92
Efficiency	η	%	-	80	-	12.0	92

Other Specifications

Dimming Function	PWM	
Open Circuit Protection	Yes	
Operation Temperature	-20 ~ 75	℃
Storage Temperature	-20 ~ 85	℃
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=1.6
2	Input connector CN1	JS-1147R-06	1	Compatible MOLEX PN: 53048-0610
3	Output connector CN2	JS-2012-02	1	compatible JST PN: SM02B-BHSS-1-TB

Terminal Numbers And Functions

Input side CN1

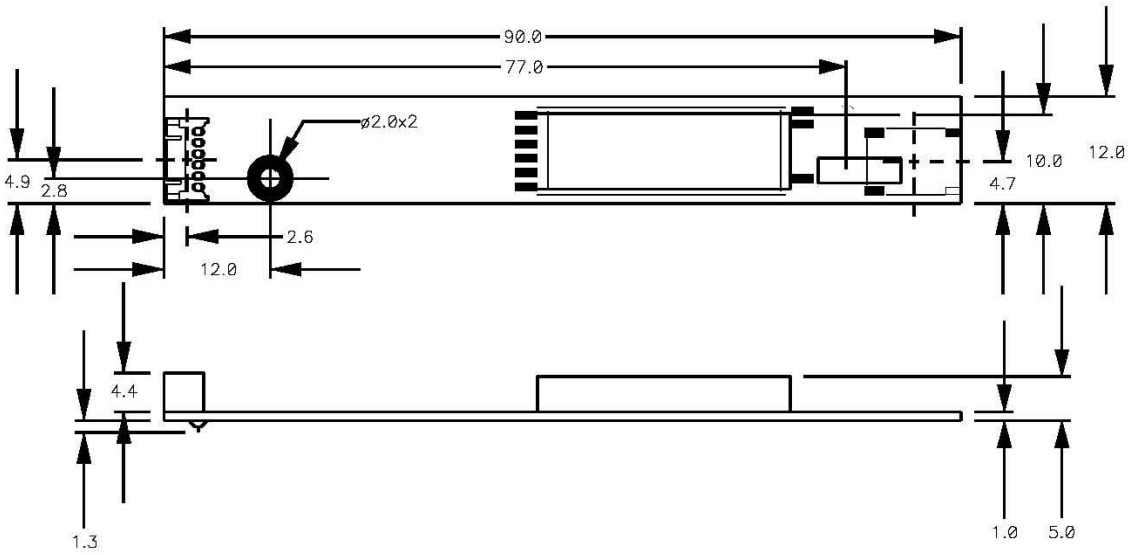
Terminal Number	Symbol	Rated Voltage	Remarks
1,2	VIN	8.0-21.0	
3	ON/OFF	ON:2.5-5V OFF:0-1V	
4	DIMMING	Max.Current Limit (0V=6.5mA:5V=1.5mA)	
5,6	GND	POWER GROUND	

Output side CN2

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

Physical Dimensions:(Unit:mm)

(Mechanical drawing)



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