

TPI-01-0207-M1

Features

One lamps output supply

6.0mA-output current

Voltage range: 10.8-13.2

Dimming voltage range 0Vto3V



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			450	10.8	83
Output Current	Iout(Max Dimming)	mArms	5.5	6.0	6.5	12.0	83
	Iout(Min Dimming)		2.0	2.5	3.0	12.0	83
Output Voltage	Vopen	V	1400			12.0	83
	Vlamp			500		12.0	83
Frequency	Freq	KHZ	35	40	58	12.0	83
Efficiency	η	%	-	80	-	12.0	83

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=1.6
2	Input connector CN1	JS-1147H-05	1	Compatible JST PN: GHR-05V-S
3	Output connector CN2	JS-2010-02/8.0mm	1	Compatible JST PN: BHR-02(8.0)VS-1N

Terminal Numbers And Functions

Input side CN1

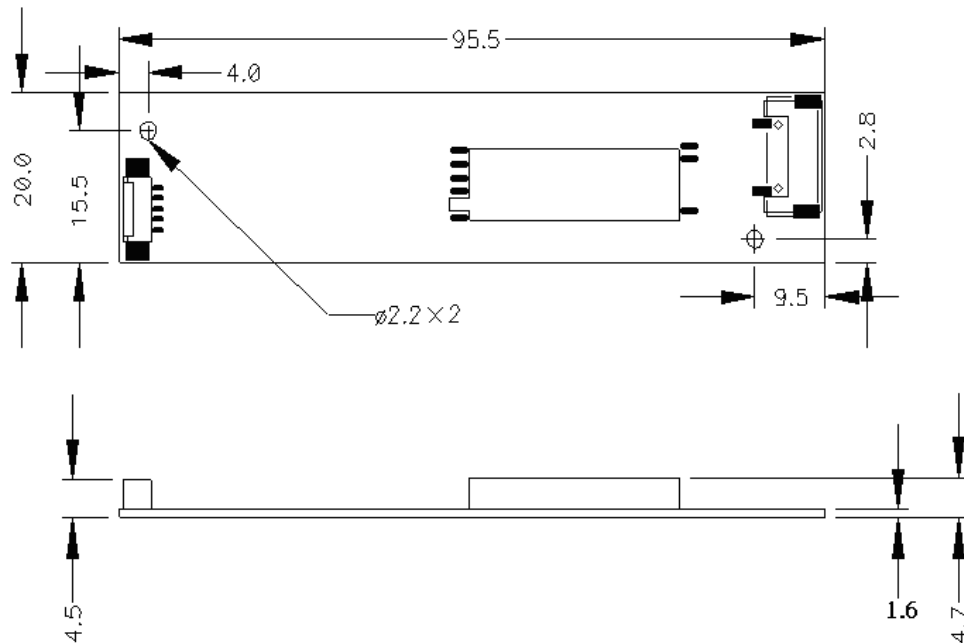
Terminal Number	Symbol	Rated Voltage	Remarks
1	VIN	10.8-13.2	
2	GND	POWER GROUND	
3	ON/OFF	ON:2.5-5V OFF:≤0.8V	
4	DIMMING	Max.Current Limit (0V=6.5mA:3V=3.0mA)	
5	NONE		

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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