



## Technical Data Sheet

<b>8-15 W NON-ISOLATED LED DRIVER</b>	<b>Driver Model No.</b>
	<b>TB-NI-P7903SH0815W</b>
	<b>PCB Demensions</b>
	<b>32mm(L)x26mm(W)x14mm(H)</b>
	<b>Technobeam Registered BIS No.</b>
	IS 15885 (Part 2/Sec 13) : 2012  R-71016144 <a href="http://www.bis.gov.in">www.bis.gov.in</a>

A. Input		
Specification	Symbol	Value
Operating Voltage Range	Vac	130-270
Power Factor	PF	>0.98
Frequency Range	Hz	50-60
AC Input Current	A	>65mA@230Vac
Current THD	THD	<15%
Efficiency	%	>90%
Startup Time	Sec	0-1 Sec 240Vac

B. Output		
Specification	Symbol	Value
DC Output Voltage	Vdc	45
Operation Voltage Range	Vdc	18-55
Output Current	mA	300
Operation Current Range	mA	150-300
Output Power	Watt	15
Operation Power Range	Watt	8--15
Voltage Tolerance	%	+/-2
Current Tolerance	%	+/-5
Line Regulation	%	+/-5
Load Regulation	%	+/-5

<b>C. Protection</b>		
<b>Specification</b>	<b>Symbol</b>	<b>Value</b>
Over Volatge Protection	✓	✓
Thermal Protection	✓	✓
Short Circuit Protection	✓	✓
Reverse Polarity	✓	✓
Output Over Current Protection	mA	424.26
<b>Surge</b>	<b>K.V</b>	<b>4.5</b>
Isolation	<b>K.V</b>	<b>2.5</b>
Input Fuse	F1,F2	Wire Wound Fuse
Auto Restart Time	Second	1
Burning Test	Hour	72

<b>D. Physical Characteristics</b>	
Shape	Rectangular
Dimensions (Open Frame) mm	32mm(L)x26mm(W)x14mm(H)
Weight	-
Connecting Wires	P-Blue, N-Blue, L+ Red, L- Black
PCB Type	FR4

<b>E. Environment</b>	
Working Temperature	-40°C to +50°C
Storage Temp. & Humidity	-40~ to 80 Degree C / 20~ 95% RH Non-Condensing
Tempertaure Coefficient	+ - 0.03 % (0 to 50°C)