

Project Name:	
Type:	

MDH62 Series

60 Watts LED Driver

PRODUCT FEATURE :

- Input voltage 100 - 277V (UL)
- Full dimming range: 3-100%
- 3-in-1 (Phase-cut 120VAC only)
- High Efficiency
- High Power Factor, Low THD
- Certifications CE, UL
- Comply with CE, UL
- Silicon potting for better reliability
- Waterproof level: IP65
- RoHS compliant



PRODUCT ATTRIBUTES :

Weight (Silicone Potting)	: 160g
Input Wire	: 18AWG 105°C/ 600V Stranded
Output wire	: 18AWG 105°C/ 600V Stranded
Input wire length	: 300±10mm
Output wire length	: 150±10mm
0-10V input Wire	: 22AWG 105°C/600V Multi-stranded wires
End treatment of wire rod	: 200±10mm Tin
Dimensions	: 149.7 x 40 x 35mm (LxWxH)

WARRANTY

- See [Limited Warranty Policy](#) for more additional information

ENVIRONMENT SPECIFICATION :

Ambient temperature range	: -20 - 45°C
Operating Humidity	: 10 - 100%RH
Storage Temp.	: -40 - 80°C
Storage Humidity	: 10 - 90%RH
Pressure	: 70 - 106Kpa
Environmental Protection Rating	: UL, damp and dry
Cooling Method	: Air
Enclosure	: PC 102°C

MODEL SELECTION :

PRODUCT MODEL	INPUT VOLTAGE	WATTS (MAX)	OUTPUT VOLTAGE	RATED CURRENT	TOLERANCE (A)	EFFICIENCY	FLICKER FREE	SIZE (L*W*H)MM
MDH62-24-YYYY-S9D	100 - 277V	33.6W	13-24V	1000-1400mA	±5%	85%	√	150 X 46 X 32
MDH62-36-YYYY-S9D		50.4W	21-36V					
MDH62-45-YYYY-S9D		63W	27-45V	950-1400mA				
MDH62-54-YYYY-S9D		59.4W	36-54V	600-1100mA				

Note:

yyyy is 4-digit number that represents the output current.
D = Phase-cut dimming (Only for 120V supply) and 0-10V dimming

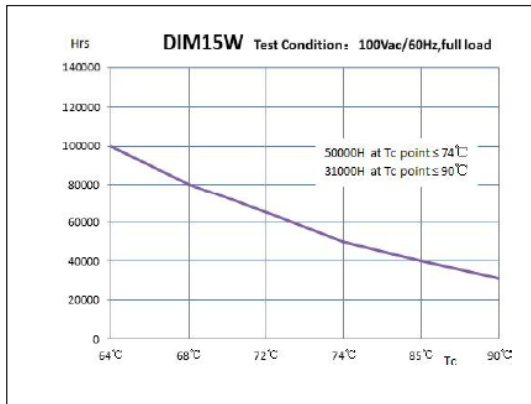
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ITEM DESCRIPTION	SPECIFICATION PARAMETER	ITEM DESCRIPTION	SPECIFICATION PARAMETER
Input Voltage :	Wide Input Voltage	MTBF :	50000H at full load and TC74°C conditions
Input Current :	0.27A	Resistance to vibration :	5 – 55HZ/ 2g, 30 minutes
Input Frequency :	50/ 60Hz	Impact Resistance :	1g/S
Min. Mains voltage operational :	100 V [min] – 277V [max]	Dielectric Strength (Hi-pot) :	3KVAC 10mA 60S
Boot Delay Time :	≤0.75s @120V	Insulation Resistance :	50MΩ min. @ 500Vdc
Dimming Method :	Leading/ Trailing Edge ; 0-10V	Leakage Current :	400uA typical
Phase-cut dimming :	120VAC supply voltage only	Lighting level :	L-N/ 2kV
Maximum open circuit voltage :	52V Max	Inrush Current :	20A max @120V
Output voltage range :	27V to 42Vdc	Output Type :	Class 2
Output Current Ripple :	(ripple = peak/ average) 30%max @ max lout	Agency Approbations :	EN61347-1/2-13
Output current tolerance :	<±5%	Electromagnetic Compliance :	EN55015, EN6100-3-2
Protect Function :	SCP/ OVP/ OCP/ OTP	Audible noise :	<24dB
Max Case Temperature :	85°C		

LIFETIME :



MECHANICAL DRAWING :

