

**SPECIFICATION**

Description	220-240V Triac Dimming LED Driver, Constant Current Driver
Electrical Characteristics	Ta = 25°C, 220-240Vrms input, standard reference load; unless otherwise specified
Class II, IP20, thermally protected 110, independent driver	

<b>Product Name</b>		D90040NTF
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<b>Input Parameters</b>		
Rated Input Voltage	Uin	220-240VAC
Input Current (Full load)	Iin	0.25A
Input Frequency	fin	50/60Hz
Maximum Input Power	Pin	50W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤25%
Efficiency (Full load)	η	≥85%
No-load power		≤1W
Inrush current		≤5A&100us (Cold Start)
Turn on time		≤500ms

<b>Output Parameters</b>		
Output Voltage	Vout	22-44V
Output Current (Full load)	Iout	900mA±5%
Output Power (Full load)	Pout	40W
Operating Frequency(Full load)	Fout	60-80KHz
Ripple & Noise		≤120mA
Percent flicker		≤3%
Load Regulation		≤5%
Line Regulation		≤5%

<b>Ambient</b>		
Storage Temperature	ts	-20 ... + 70°C
Operating Ambient Temperature	ta	-20 ... + 45°C
Case Temperature at tc Point	tc	85°C
Relative humidity		5 ...85%

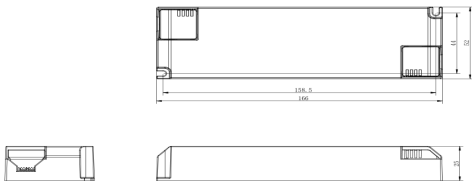
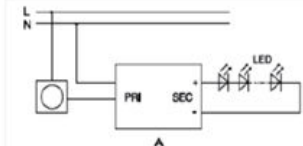
<b>Protection</b>		
No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

<b>System Parameters</b>		
Withstand voltage		3.75KVAC,I leakage<5mA,60s
Expected Life		50,000Hours

<b>Compliances and approvals</b>		
Safety		EN 61347-2-13
RFI		EN 55015
Harmonics		EN 61000-3-2 Class C
Immunity		EN 61547

- Note**
1. All parameters NOT specially mentioned are measured at 240VAC input, rated load and 25 of ambient temperature.
  2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uF & 47uF parallel capacitor
  3. Expected Life:tc=80°C,0.2%/1000h failure rate

**Physical Parameter**

Dimensions(LxWxH): 166×52×25mm  
 Housing Material:PC Plastic  
 Captured Terminal Screw for 0.75~2.5mm2