

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	

Product Name		D50018NTF
Input Parameters		
Rated Input Voltage	U _{in}	220-240VAC
Input Current (Full load)	I _{in}	0.11A
Input Frequency	f _{in}	50/60Hz
Maximum Input Power	P _{in}	23W
Power Factor (Full load)	λ	≥0.95
THD(Full load)		≤25%
Efficiency (Full load)	η	≥83%
No-load power		≤1W
Inrush current		≤5A&100us (Cold Start)
Turn on time		≤500ms

Output Parameters		
Output Voltage	V _{out}	18-36V
Output Current (Full load)	I _{out}	500mA±5%
Output Power (Full load)	P _{out}	18W
Operating Frequency(Full load)	F _{out}	70KHz
Ripple & Noise		≤100mAp-p
Load Regulation		± 5%
Line Regulation		± 5%

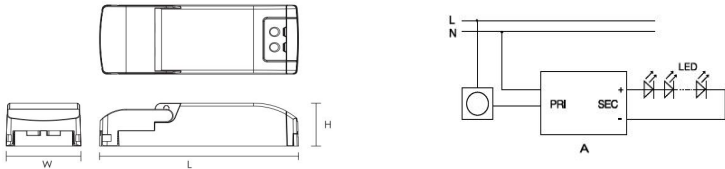
Ambient		
Storage Temperature	ts	-20 ...+ 70°C
Operating Ambient Temperature	ta	-20 ...+ 45°C
Case Temperature at tc Point	tc	80°C
Relative humidity		5 ...85%

Protection		
No Load		Auto-recovery if fault is removed
Over Load		Auto-recovery if fault is removed
Short Circuit		Auto-recovery if fault is removed

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

Compliances and approvals		
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): 120x45x28mm	
Housing Material:PC Plastic	
Captured Terminal Screw for 0.75~2.5mm2	