

ELED-20-V Series

20W 0/1-10V Dimmable LED Driver



Features:

- Constant voltage
- 3 in 1 dimming function (0/1-10Vdc or 10v PWM signal or resistance)
- AC input: 100-265VAC
- Built-in active PFC function
- High efficiency up to 82%
- Protections: Short circuit/Over current/Over loading
- Cooling by free air convection
- Suitable for LED lighting and moving signs

Models

	ELED-20-12V	ELED-20-24V
Output Specifications		
Output Voltage	12V	24V
Voltage Tolerance	± 0.5%	
Output Current	1.67A	0.83A
Rated Power	20W	
Input Specifications		
Input Voltage	100-265VAC	
Frequency Range	47-63Hz	
Inrush Current	22.4A (Twidth=140µs 230VAC)	
Full Load Efficiency (Typ.)	80%	82%
AC Current (Max.)	0.23A	
Leakage Current	<0.50mA	
Power Factor	PF>0.95/120VAC PF>0.95/230VAC PF>0.95/265VAC (Full Loading)	
Protection		
Short Circuit	Hicup mode, recovers automatically after fault condition is removed	
Over Loading	≤120%	
Over Current	≤1.2*Iout	
Environment		
Working Temperature	-40~+60°C (Refer to derating curve)	
Working Humidity	20-90% RH, non-condensing	
Storage Temperature, Humidity	-40~+80°C, 10-95% RH	
Temperature Coefficient	±0.03%/°C (0-50°C)	

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Environment

Vibration 10-500Hz 2G 12min./ 1 cycle, period for 72min. each along X, Y, Z axes

Safety & EMC

Safety standards EN61347-1, EN61347-2-13

Withstand voltage I/P-O/P:3.75KVAC

Isolation resistance I/P-O/P:100MΩ/500VDC/25°C/70%RH

EMC Emission Compliance to EN55015, EN61000-3-2

EMC Immunity Compliance to EN61000-4-2,3,4,5,6,11, EN61547, light industry Level Criteria A

Other Specifications

Weight 0.17 Kg

Size 140 x 45 x 27 mm

Packing 320 x 280 x 215 mm (50PCS/CTN)

Mechanical Specifications

