HPCV-05xx series

LED driver – IP67



RoHS

Operating Temperature :	-10 ~ +50 [°C]
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Dimension : 58 x 28 x 22 [mm]

LED Driver :

Constant Voltage

Approvals / Marks :





Features:

Constant voltage mode power supply - Suitable for LED lighting and moving sign applications

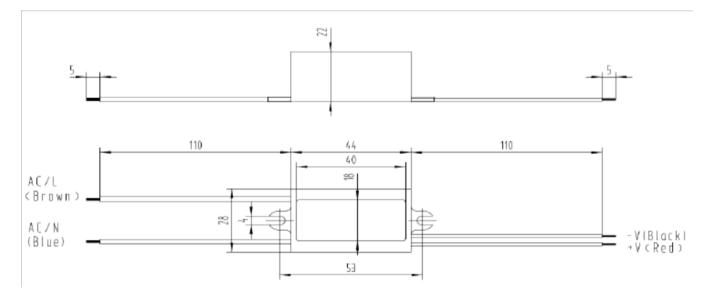
Universal AC input / Fully encapsulated with IP67 (for indoor and outdoor use)Full range

Fully encapsulated with IP67 level

Protections: Over current / Over Voltage / 100% full load burn-in test

Specification:												
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	Model	Voltage DC [V]	min. Load [A]	max. Load [A]	Output Tol. [%]	Efficiency [%]	OVP [V]	Max. Power [W]	Ripple & Noise [mV] p-p			
	HPCV-0512	12	0	0.35	±3	72	13~20	5	200			
	HPCV-0524	24	0	0.175	±3	72		5	200			
	Voltage	(100 ~ 240)VAC										
INPUT	Frequency	(47 ~ 63)Hz										
	Current	0.15A/220VAC 0.10A/100VAC										
	Inrush Current max.	30A/220VAC @ cold start										
	Leakage current	0.5mA/240VAC										
PROTECTION	Over current	Above 110% \sim 180% rated output power or short circuit. Protection type: Hiccup mode, recovers automatically.										
	Over Voltage	Protection type: Hiccup mode, recovers automatically.										
	Protection class	UL1310 Class 2 power unit										
	Over temperature	-										
	No Load Operation	-										
	Isolation Resistance	I/P-O/P:>100N	1Ω / 500VDC /	$25{\sim}70\%$ RH								
	Set up time	500ms										
	Hold-up Time	50ms/240VAC at full load										
	MTBF Qualification	50K hours @ full load and 25°C										
OTHERS	AC cable / DC cable	18AWG 250mm Striped&Tinned 18AWG 250mm Striped&Tinned										
	Rise time	250ms										
	Line regulation	±1.0%										
	Burn in	100% full load burn-in test										
	Load regulation	±2.0%										
ENVIRONMENT	Temperature	Operating: (-10 ~ +50)°C / Storage: (-40 ~ 80)°C										
	Humidity	Operating: (20 ~ +90)%RH / Storage: (10 ~ 95)%RH Non-condensing										
	Vibration	10 ~ 500Hz, 2G 10min./1cycle, period for 60min. each along X,Y, Z axes										
	Temp. Coefficient	±0.03%/°C (0~50°C										
		Safety EN61347-1, EN61347-2-13 Immunity EN61547 Harmonic EN61000-3-2 Magnetic Emission EN55015 RoHS										
CERTIFICATION & SAFETY		compliant CE mark / compliant UL standard design Pass LPS UL 1310 Class II power unit										
SAFETY & EMC	Withstand voltage	I/P-O/P:3KVA0										
	Safety standards	Design refer to UL1310 Class 2,TUV EN60950-1, EN61347-2-13, CAN/CSA C22.2 No. 223-M91, meet IP67										
	EMS Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11; ENV50204, EN55024, light industry level, criteria A										
	EMI conduction &	Compliance to EN55022 (CISPR22) Class B										
	radiation	Compliance to	EN55022 (CISI	RZZ) Class B								
	Harmonic current	EN61000-3-2,-	3									
	HPCV-0512											
WEIGHT	1pc	N.W.: 43g G.W.: 47g										
		0.345 x 0.235 x 0.28 [m]										
PACKING	Box	300pcs / 1box G.W.: 14.5 kg / box										
	1	0.00. 14.5 kg / 00A										

Mechanical case specification:



Block diagram:

