

ADP-32WFP

Constant Current Source for LED drive

27~43V/700mA



Features

- AC 100-242V Wide input voltage range
- Little flicker (R/R = 50% typ), Flicker free available
- 27 ~43V Constant Current Operation Range
- Active PFC correction, PF>0.90
- Low input current THD (Meet IEC61000-3-2 Class C)
- Encapsulated, compact size
- Long life time over 40.000 Hr
- RoHS
- Certified KC-Korea / PSE-Japan

Applications

- LED Lighting
- Advertising Light panel

Electrical characteristics

Parameter	Symbol	Conditions*	Specification*			Unit
			Min	Typ	Max	
Input supply voltage	V_{IN}		90	220	242	V_{AC}
Input current	I_{IN}	$V_{IN}=220V/34W$	0.15	0.16	0.17	A
Power consumption	P_{IN}	$V_{IN}=220V/V_O=42V$	33	34	35	W
Power factor	$\cos\theta$	$V_{IN}=220V/34W$		0.97		
Output current	I_O	$V_{IN}=220V$	680	700	720	mA
Available output voltage	V_O	$V_{IN}=220V$	27		43	V
No load output voltage	V_{O-open}	$V_{IN}=220V$			50	V
Efficiency		$V_{IN}=220V/34W$	85	67		%

* Output current is 700mA and voltage is 42V

Absolute maximum ratings

Lower Input supply voltage (V_{IN})	-----	90V
Higher Input supply voltage (V_{IN})	-----	264V
Maximum output voltage with load	-----	43V
Minimum output voltage with load	-----	27V
Output current (I_o)	-----	800mA
Input power	-----	40W
Ambient operating temperature	-----	-20 °C to 50 °C
Storage temperature range	-----	-30 °C to 80 °C
Operating & storage humidity	-----	10 % to 85 %

Input & Output Wire or terminals

AC Input	:	White & Black, 0.75mm ² HVSF, JET/PSE/KS, 180mm Length
DC Output	:	DC+ : Red, AWG-22, 230mm Length DC- : Black, AWG-22, 230mm Length

Mechanical dimensions

Tolerance : ± 0.5
Unit : mm

