

ARPJ-HTC80700 (56W, 700mA, PFC)



Protections: Over Load, Short circuit

100% full load burn-in test

Active PFC function

2 years warranty

Switch Power Supply

1、 Input parameter
1.1 AC input voltage range: 100~240VAC
1.2 AC input voltage frequency: 50~60Hz
1.3 AC input current: 0.8A/115VAC,0.4A/230VAC
1.4 Power Factor: PF>0.9/230VAC (Full Load)
1.5 AC inrush current: Cold start <60A/230VAC
1.6 Efficiency: typical value 85%
2、 Output parameter
2.1 DC output rated voltage: 80VDC Voltage range: 40~80VDC
2.2 DC output rated current: 0.7ADC MAX
2.3 DC output current range: 0A~0.7ADC
2.4 DC output rated power: 56W
2.5 Ripple & Noise (max): <800mVp-p (Measured at 20MHz of bandwidth by using a 12mm twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor, CV mode)
2.6 DC output voltage adjustment range: $\pm 5\%$



2.7 DC output current adjustment range: $\pm 5\%$
2.8 DC output load regulation: $\pm 3\%$
2.10 Power setup time: 2000mS/230VAC at rated load
3、 Protection
3.1 Over Load: Hiccup Mode, Auto-recovery
3.2 Short Circuit: Hiccup Mode, Auto-recovery
4、 Working environment
4.1 Working temperature range: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$ @ 100% load, $+60^{\circ}\text{C}$ @ 60% load 90VAC@80% load
4.2 Working humidity range: 20~90%RH
4.3 Storage temperature range: $-20^{\circ}\text{C} \sim +85^{\circ}\text{C}$
4.4 Storage humidity range: 10~95%RH
4.5 Temperature coefficient: $\pm 0.06\%/^{\circ}\text{C}$ ($0 \sim 50^{\circ}\text{C}$)
5、 Safety
5.1 Safety standards: UL1310
5.2 Withstand voltage: I/P-O/P: 3.0KVAC
5.3 Isolation resistance: I/P-O/P: $100\text{M}\Omega / 500\text{VDC}$
5.4 Waterproofing Grade: IP67
6、 Others
6.1 MTBF: 100,000 hours , 25°C
6.2 Dimension: 162*42.5*32mm (L*W*H)
6.3 Connection: ACIN 18AWG Blue(N)、 Brown(L) ;DCOUT 18AWG Red(V+)、 Black(V-)