

Блок питания ARJ-GT90350 (32W, 350mA, PFC)

1. DESCRIPTION:

This product specification is for LED constant current power supply,
Model: ARJ-GT90350

2. OUTPUT PARAMETER:

2.1 Output Power:

Full Load Voltage	Output Current	Output Power
+90Vdc	0.35A	32W

2.2 Load Parameter/ Adjustable rate:

Min No-load Voltage	Max No-load Voltage	Load Voltage Output Range	Max current
110V	120V	50-90V	0.36A

2.3 Ripple& Noise:

Test Condition: Measurement is done by 20MHz bandwidth oscilloscope and the output paralleled a 0.1uF ceramic capacitor and a 4.7uF electrolysis capacitor.
(test under the condition of rated input and rated output)

Voltage	Max Ripple&Noise
+90Vdc	1500mVp-p

2.4 Turn on Delay Time:

1.5S max. @ Input 170Vac and Output full Load

2.5 Rise Time:

1000mS max. @ Input 170Vac and full load.

2.6 Hold-Up Time:

2000mS min. @ Input 170Vac and full load.

2.7 Efficiency:

Input Voltage : 170Vac / 220Vac

Output Voltage	Output Current	Efficiency	Power factor
90Vdc	0.35A	85%	0.85

2.8 Output Current tolerance:

Output Current: 0.35A Constant Current tolerance: $\pm 3\%$

2.9 Hi-pot test:

Primary to Secondary:	High Voltage 1500V	5mA	60S
Primary to GND:	High Voltage 1500V	5mA	60S

3. PROTECTION:

3.1 Short Circuit Protection:

Self-recovery when the fault condition is removed

3.2 Output Over-Output Current Protection:

When the output currents is over 130%, Return to normal status when Output Limit current to get right.

3.3 Output Over-Voltage Protection:

When the output voltage is over rated, return to normal status when fault condition is removed

4. INPUT PARAMETER:

- 4.1 Input Voltage:
 - Rated input voltage range: 180-240Vac
 - Adjustable range: 170-264Vac
- 4.2 Input Frequency.
 - Rated frequency: 50-60Hz
 - Adjustable frequency: 47-63Hz
- 4.3 Input Current:
 - When Input AC voltage is at 170Vac, output voltage is full load, the maximum input AC current is 0.25A
- 4.4 Inrush Current:
 - When output rated load, environment Temp. 25 C, Input voltage 240Vac,
 - Max. inrush current (cold start) is 30A.
- 4.5 First times leakage current:
 - Input voltage 220Vac, Max. Leakage current 0.25mA

5. ENVIRONMENT REQUIREMENTS::

- 5.1 Working Temp.:
 - 30 C~ 50 C, Full load, normal working
- 5.2 Storage Temp:
 - 40 C~ 85 C.
- 5.3 Humidity:
 - 5% (0 C)~90% (40 C), 72Hrs, Full load, normal working
- 5.4 Vibration:
 - 1. Operating: IEC 721-3-3 3M3
 - 5~9Hz, A=1.5mm (9~200Hz, Acceleration 5m/s²)
 - 2. Transportation: IEC721-3-22MS
 - 5-9Hz, A=3.5mm
 - 9~200Hz, Acceleration=5m/S²
 - 200~500Hz, Acceleration=15m/S²
 - 3. Vibration:
 - Permanent damage cannot be exist during testing.
 - It can be self-recovery to original condition after turn-on & turn off test.
- 5.5 Drop test:
 - 1 corner, 3 edges, 6 surfaces
 - Height: 76cm

6. STRUCTURE:

- 6.1 Housing (Shell):
 - Size: 225*30*28*mm
- 6.2 Input wires:
 - 3 wires: Brown color L, Blue color N, Green/Yellow color GND
- 6.3 Output wires:
 - 2 wires: Red +, Black -.

7. PACKAGE:

Box