



Sparkle Power Inc.

A Leading Power Supply Manufacturer

Web site: www.sparklepower.com



FSP040-RHAN2

(Efficiency Level VI, RoHS Compliant)

40 Watts Power Adapter

Features

- High efficiency and reliability
- Compatible with European Union Directive 2011/65/EU (Restriction on Hazardous Substances).
- Low noise and ripple
- Output over voltage, short circuit, and over current protection
- 100% Hi-pot, ATE, and burn-in tested
- Complies with FCC part 15 subpart J class B 115Vac operation, and CISPR 22 class B at 230Vac operation
- Approved by CUL/UL60950-1 2nd TUV EN60950-1 2nd, CB 60950-1 2nd, FCC, EMC

Input Characteristics

Input Range: 90 ~ 264Vac (RMS), Full Range Input

Frequency: 47 ~ 63Hz

Input Current: Max 1.1A (RMS) @ 115Vac, 0.8A (RMS) @ 230Vac

Inrush Current: No damage.

Specification

- **Temperature Range:** Operating: 0°C ~ +40°C; storage & shipping: -20°C ~ +75°C
- **Humidity:** 90% on operating, 95% on storage
- **Dielectric Withstand:** Primary frame ground 1800V_{AC} for 3 second
- **Average Efficiency:** Efficiency Level VI & ErP Teir 2
- **No Load Power Consumption:** Less than 0.075W
- **Turn-on Delay Time:** Less than 3s
- **Hold-up Time:** 5 ms minimum at 115Vac input and max output loading
- **Leakage Current:** Less than 250uA at 264Vac, 60Hz
- **MTBF:** 100,000 hours on maximum load at +25°C
- **Altitude:** 5,000M
- **Dimensions (LxWxH):** 110x50x32mm

Output Characteristics

| SPI Model | Output Voltage | Output Current | Load Reg. | Ripple & Noise | Connector Type | Connector IDxODxL | Dc cable Length (mm) |
|----------------|----------------|----------------|-----------|----------------|----------------|-------------------|----------------------|
| AD040RHAN2-J21 | 12V | 3.33A | ± 5% | 120mV P-P | Barrel 180° | 2.1x5.5x9.5 | 1500 |
| AD040RHAN2-J25 | 12V | 3.33A | ± 5% | 120mV P-P | Barrel 180° | 2.5x5.5x12 | 1500 |

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