

TECHNICAL DATASHEET 50W / 60W 24V Adapter FSP050(60)-DAAN3 Series



FSP050(60)-DAAN3 Series

FEATURES

- · Meet IEC 62368-1 & IEC 60950-1
- Meet Energy Efficiency DOE Level VI
- Meet Code of Conduct Version 5 Tier 2
- · High Reliability

INPUT SPECIFICATIONS

N/A

Efficiency: See rating chart Power turn-on time At 100Vac / full load, output voltage shall remain

remain regulation \geq 10ms

- · EMC Standard: EN55032/ EN55024 Class B
- Over Current Protection
- · Over Temperature Protection
- · Over Voltage Protection

SAFETY STANDARD APPROVAL



regulation \leq 3Sec At 100Vac or 240Vac / full load, output voltage shall

100Vac, 240Vac / full load , Shall be less than the rating

of adapter critical component (including rectifiers, fuse

DESCRIPTION

This product is an watts AC to DC adapter intended for use in This product is an 50~60 watts AC to DC adapter intended for use in IPC systems, embedded systems, IPC Systems, Embedded Systems, Printers, Monitors and POS Systems, etc. that have a high wattage demands. This adapter operates at 90 to 264 VAC input voltage. The unit meets CISPR32 EN55032 CLASS B, EN55024 and FCC PART 15B Class B emission limits, and is designed for ITE application.

Power factor:

Hold-up time:

Inrush current:

INPUT SPECIFICATIONS

Input voltage: Input frequency: Input current: No load power consumption Touch current:

90-264 VAC 47-63 Hz 100Vac, 240Vac / full load \leq 1.0A 115Vac , 230Vac ≤ 0.075 W 264Vac / 50Hz ≤ 0.25 mA

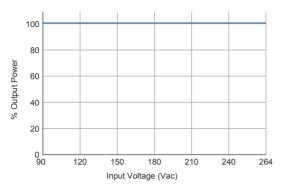
OUTPUT SPECIFICATIONS

			surge and current limiting device)
Output voltage/current: Total output power:	See rating chart See rating chart	Operating altitude: Withstand voltage:	5000 meters above sea level Between AC input and secondary applied DC 4242V,test time 1 minute,cut off current shall be less than 10mA
Protection: Over voltage:	The adapter will enter into shut down that means no output while over voltage happened at output terminal that caused	MTBF: EMC Performance: EN55032	100Vac, 240Vac / full load , 300,000 hours at 25°C, standard SR332
Short circuit & Over current:	by internal fault, the output trip voltage shall not exceed 38 vlots. That will be return to normal state by AC reset. When an internal fault occurs, or an external fault is applied to the output, the power suppy shall shut down and	FCC VCCI EN61000-3-2 EN61000-3-3 EN61000-4-2	Class B conducted, class B radiated Class B conducted, class B radiated Meet class A Meet regulation Air discharge: ±8 KV,contact discharge: ±4KV, meet criterion A
Over temperature: Brown-out	enter auto-recovery mode. The power supply will enter into shut down while the abnormal thermal rise occurs.That will be return to normal state by AC reset. Shutdown and no damage	EN61000-4-3 EN61000-4-4 EN61000-4-5 EN61000-4-6 EN61000-4-8 EN61000-4-11	80 ~1000 MHz,3V/m,80% AM(1kHz), meet criterion A Impulse: ±1kV applied to L,N,meet criterion A ±1kV applied differential mode, ±2kV applied common mode,meet criterion A 0.15 ~ 80 MHz,3Vrms,80% AM(1kHz),meet criterion A 50 Hz or 60Hz,1A/m,meet criterion A
Environment Working TEMP. Storage TEMP. Working Humidity Storage Humidity	0~70°C (> 40°C de-rating) -20~+80°C 20~80% RH non-condensing 10~90% RH non-condensing	Power de-rating:	Voltage Dips : >95% reduction for 0.5 period,meet criterion B 30% reduction for 25 period,meet criterion C Voltage Interruptions : >55% reduction for 250 period,meet criterion C 100Vac or 240Vac, 0°C to 40°C, 100% load, 50°C, 85% load, 60°C, 70% load, 70°C, 55% load (Shall be less than the rating of adapter critical component , follow FSP specification (adapter))

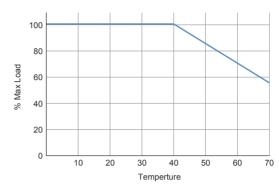


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INPUT VOLTAGE DERATING CURVE



OUTPUT POWER DERATING CURVE



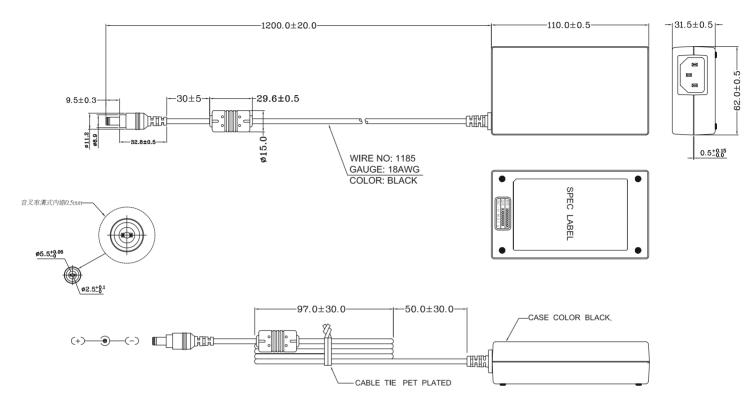
OUTPUT VOLTAGE/CURRENT RATING CHART

Model	Output Voltage	Output Current	AC Inlet	Efficiency	
				DOE(Level VI)	CoC V5 (Tier 2)
FSP050-DAAN3	24V	2.08A	C14	≧88%	≧89%
FSP060-DAAN3	24V	2.5A	C14	≧88%	≧89%



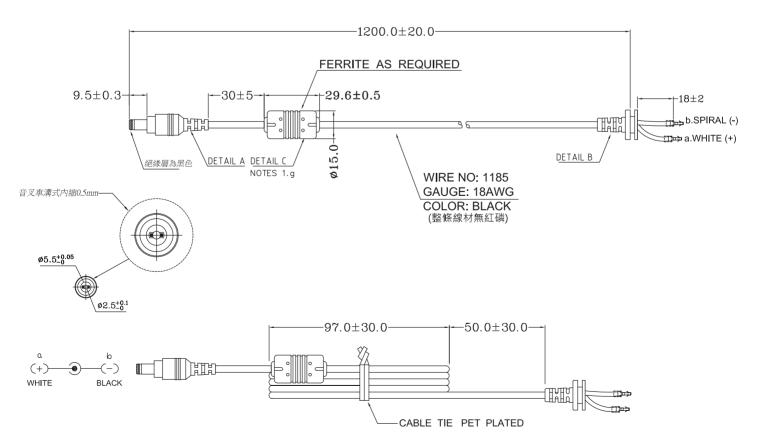
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MECHANICAL SPECIFICATIONS



CONNECTOR SPECIFICATIONS

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