

15W / 25W Adapter

FSP015(25)-DH/DB/DAAN3 Series



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FEATURES

- Certified IEC 62368-1 & CB 60950-1
- Meet USA EISA 2007
- Meet Energy Efficiency DOE Level VI
- Meet Code of Conduct Version 5 Tier 2
- High Reliability
- Over Current Protection
- Over Temperature Protection
- Over Voltage Protection

SAFETY STANDARD APPROVAL



DESCRIPTION

This product is a 15~25 watts AC to DC adapter intended for use in ITE systems that has a small wattage demands. The unit meets CISPR32 EN55032 CLASS B, EN55024 and FCC PART 15B Class B emission.

INPUT SPECIFICATIONS

Input voltage:	90-264 VAC
Input frequency:	47-63 Hz
Input current:	100Vac, 240Vac / full load \leq 0.5A
No load power consumption	115Vac , 230Vac \leq 0.075W
Touch current:	264Vac / 50Hz \leq 0.25mA

OUTPUT SPECIFICATIONS

Output voltage/current:	See rating chart
Total output power:	See rating chart
Protection:	
Over voltage:	The adapter will enter into shut down that means no output while over voltage happened at output terminal that caused by internal fault, the output trip voltage shall not exceed 9 /18/ 35/26 volts. That will be return to normal state by AC reset.
Short circuit & Over current:	When an internal fault occurs, or an external fault is applied to the output, the power supply shall shut down and enter auto-recovery mode.
Over temperature:	The power supply will enter into shut down while the abnormal thermal rise occurs. That will be return to normal state by AC reset.
Environment	
Working TEMP.	0~70°C (> 40°C de-rating)
Storage TEMP.	-20~+80°C
Working Humidity	20~80% RH non-condensing
Storage Humidity	10~90% RH non-condensing

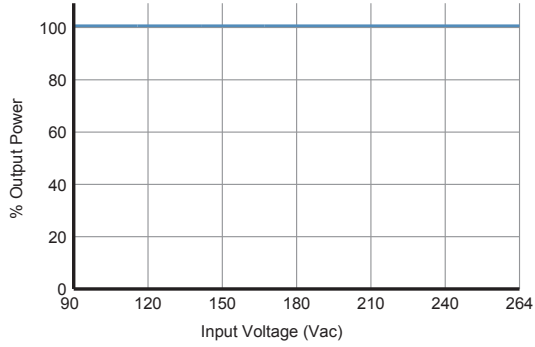
INPUT SPECIFICATIONS

Efficiency:	See rating chart.
Power turn-on time	At 100Vac / full load, output voltage shall remain regulation \leq 3.5Sec
Hold-up time:	At 100Vac or 240Vac / full load, output voltage shall remain regulation \geq 5ms
Inrush current:	100Vac, 240Vac / full load , Shall be less than the rating of adapter critical component (including rectifiers, fuse surge and current limiting device)
Operating altitude:	5000 meters above sea level
Withstand voltage:	Between AC input and secondary applied DC 4242V, test time 1 minute, cut off current shall be less than 10mA
MTBF:	230Vac / full load , 300,000 hours at 25°C, standard SR332
EMC Performance:	
EN55032	Class B conducted, class B radiated
FCC	Class B conducted, class B radiated
VCCI	Class B conducted, class B radiated
EN61000-3-3	Meet regulation
EN61000-4-2	Air discharge: \pm 8 KV, contact discharge: \pm 4KV, meet criterion A
EN61000-4-3	80 ~1000 MHz, 3V/m, 80% AM(1kHz), meet criterion A
EN61000-4-4	Impulse: \pm 1kV applied to L,N, meet criterion A
EN61000-4-5	\pm 1kV applied differential mode, \pm 2kV applied common mode, meet criterion A
EN61000-4-6	0.15 ~ 80 MHz, 3Vrms, 80% AM(1kHz), meet criterion A
EN61000-4-8	50 Hz or 60Hz, 1A/m, meet criterion A
EN61000-4-11	Voltage Dips : >95% reduction for 0.5 period, meet criterion B 30% reduction for 25 period, meet criterion C Voltage Interruptions : >95% reduction for 250 period, meet criterion C
Power de-rating:	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))

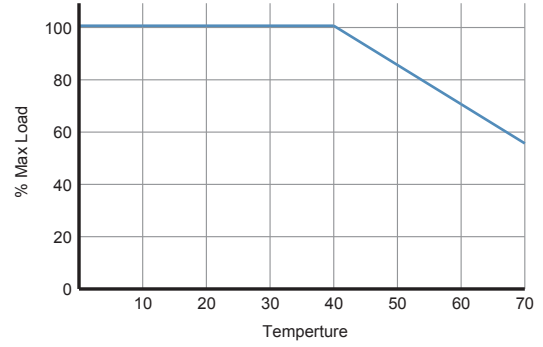


TECHNICAL DATASHEET
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INPUT VOLTAGE DERATING CURVE



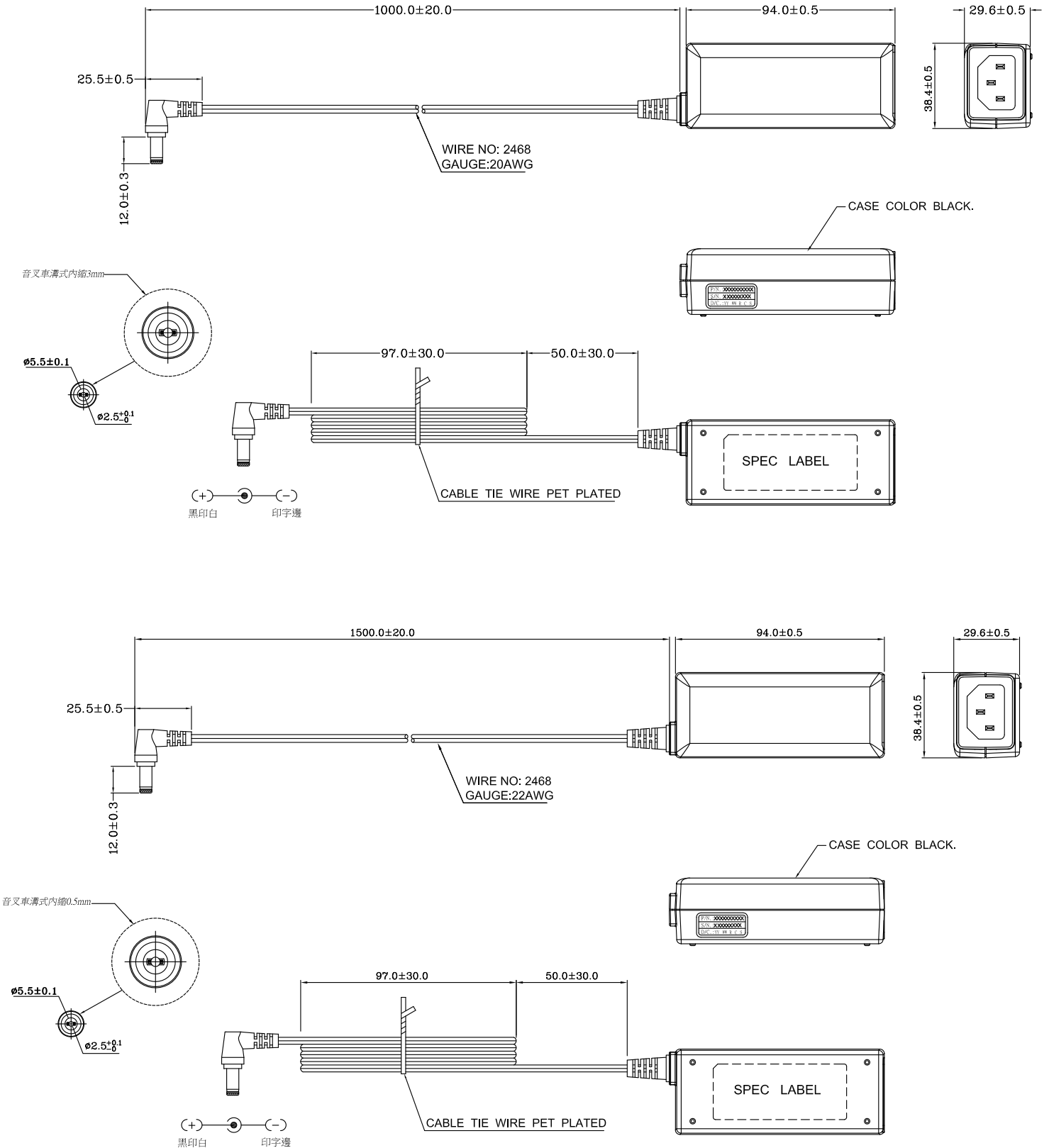
OUTPUT POWER DERATING CURVE



OUTPUT VOLTAGE/CURRENT RATING CHART

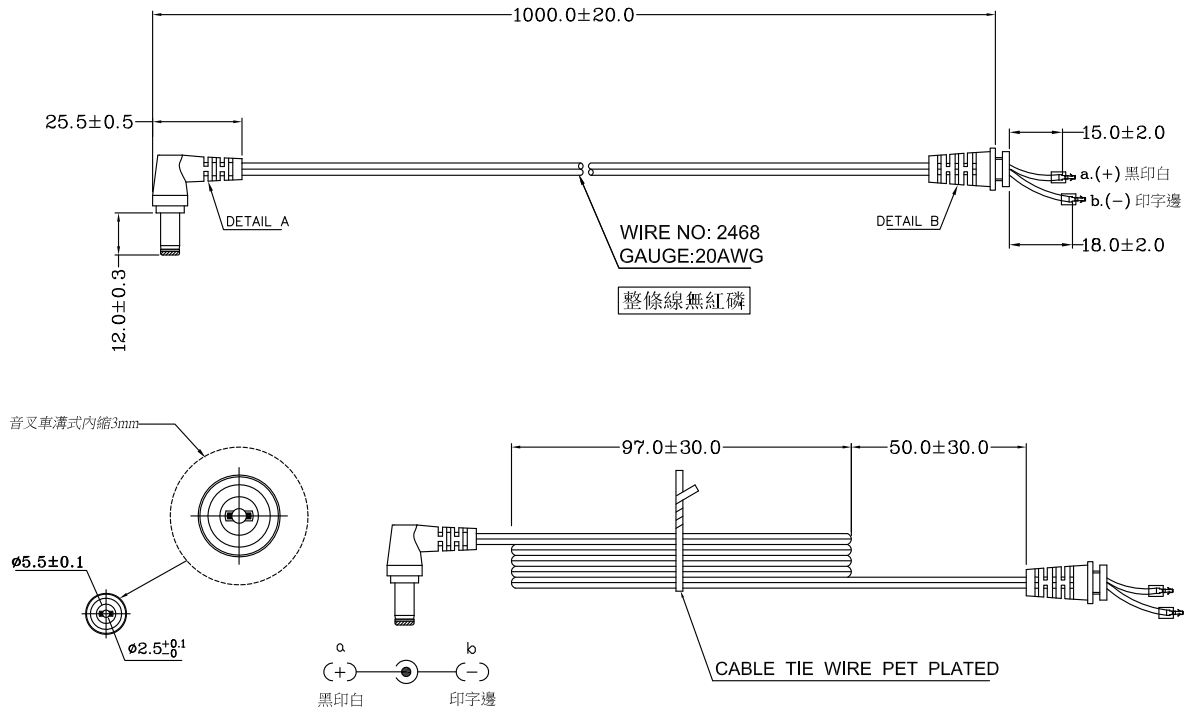
Model	Output Voltage	Output Current	AC Inlet	Efficiency	
				DOE(Level VI)	CoC V5 (Tier 2)
FSP015-DPAN3	5V	3.0A	C14	≥81.39%	≥81.84%
FSP025-DHAN3	12V	2.08A	C14	≥86.35%	≥86.98%
FSP025-DAAN3	24V	1.04A	C14	≥86.35%	≥86.98%
FSP025-DBAN3	19V	1.32A	C14	≥86.35%	≥86.98%

MECHANICAL SPECIFICATIONS



CONNECTOR SPECIFICATIONS

FSP015-DPAN3



FSP025-DH DB DAAN3

