Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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FXA350 Series

350 Watt ITE Open Frame Power Supply

- High Efficiency: Level V
- Wide Range AC Input
- Power Factor Correction
- +5V Standby & Fan Power
- Fully regulated DC output
- EISA and CEC Compliant
- Grounded Output
- ITE and Medical Grade Approval

Elpac Part Number	Output Voltage	Output Current[1]	Typical Efficiency[2]
FXA350012A	12.0V	20.0A	88%
FXA350015A	15.0V	16.5A	88%
FXA350024A	24.0V	10.5A	88%
FXA350028A	28.0V	9.0A	89%
FXA350048A	48.0V	5.3A	88%

Notes

1 With convection cooling. Peak load (350W) lasting up to 500ms with a maximum 10% duty cycle.

2 Typical at 115VAC.

Input

Input Voltage	85 - 264VAC 100 - 240VAC Nominal
Input Frequency	47 - 63Hz
Input Current	<5A rms
Inrush Current	<37A at 230VAC cold start
Power Factor	>0.98
Zero Load Power Consumption	0.75W
Touch Leakage Current	<200µA @ 132VAC @ 60Hz
	<300µA @ 264VAC @ 60Hz

Output

Output Voltage	See Table
Total Regulation	+/-5%
Minimum Load	No minimum load required
Start-Up Delay	<1s
Hold-Up Time	>24ms at any input voltage
Ripple & Noise	<1% pk-pk ** *
Over Voltage Protection	110-135%
Over Temperature Protection	Active - Recoverable; plus Passive - Non Recoverable
Over Current Protetion	120 - 180%
Short Circuit Protection	shutdown, auto-restart (hiccup mode)

Notes

* Ripple and noise measured with 20MHz bandwidth; 10µF tantalum capacitor in parallel with a 0.1µF ceramic capacitor.

General

Efficiency	Avg Efficiency 88.5% @ 115VAC; 90.6% @ 230VAC
MTBF	min. 200,000 hours demonstrated
Size	8.00" x 5.00" x 1.50" | 203.2mm x 127mm x 38.1mm
Weight	2.1 lbs (0.95 kg)

Environmental

Operating Temperature	0 – 70°C (Full load to 50°C, derate linearly to 50% load at 70°C)
Storage Temperature	-40°C to +85°C
Relative Humidity	5-95%, non-condensing
Cooling	Natural Convection (250W) or Forced Air (350W)
Vibration	All units production tested to 19.6m/s2

EMC & Safety

Emissions	FCC class B, CISPR22 class B EN61000-3-2, -3
Immunity	EN61000-4-2, -3, -4, -5, -6, -8, -11
Certified by TUV to the following: 	cTUVus
	UL 60950-1
	CAN/CSA-22.2 No.60950-1
	CB per IEC60950-1
	CE marked to LVD

Input Configuration (H1)

Connection on Power Supply Body	JITE p/n BTB555-10-03 Barrier Strip, M3 screws
Pin 1	AC Line
Pin 2	AC Neutral
Pin 3	Ground

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Pin 1	AC Line
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Pin 3	Ground

Output Configuration (H4)	
Connector (PSU side)	JITE p/n BTB555-10-04 Barrier Strip, M3 screws
Pin 1	+V1
Pin 2	+V1
Pin 3	Return
Pin 4	Return

Output Configuration (H4)	
Connector (PSU side)	JITE p/n BTB555-10-04 Barrier Strip, M3 screws
Pin 1	+V1
Pin 2	+V1
Pin 3	Return
Pin 4	Return

Signal Configuration (H2)		
Connector	AMP P/N 640456-8 or equivalent	
Mating Connector	AMP p/n 640440-8 or equivalent	
Pin 1	DC-Good	TTL high when DC is within regulation
Pin 2	AC-Fail	TTL high when AC is present; min. 8ms warning before loss of DC output
Pin 3	Remote On/Off	Connect to Pin 7 (Rtn) to enable power supply
Pin 4	+ Sense	Must be connected to output, either at H4 connector, or at point of load. Will compensate for up to 500mV cable drop.
Pin 5	- Sense	
Pin 6	no connection	
Pin 7	Return for Remote on/off and +5V Standby	
Pin 8	Return to Pin 7 for +5V @ 1.0A Standby output	

Signal Configuration (H2)

Connector	AMP P/N 640456-8 or equivalent	
Mating Connector	AMP p/n 640440-8 or equivalent	
Pin 1	DC-Good	TTL high when DC is within regulation
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Pin 3	Remote On/Off	Connect to Pin 7 (Rtn) to enable power supply
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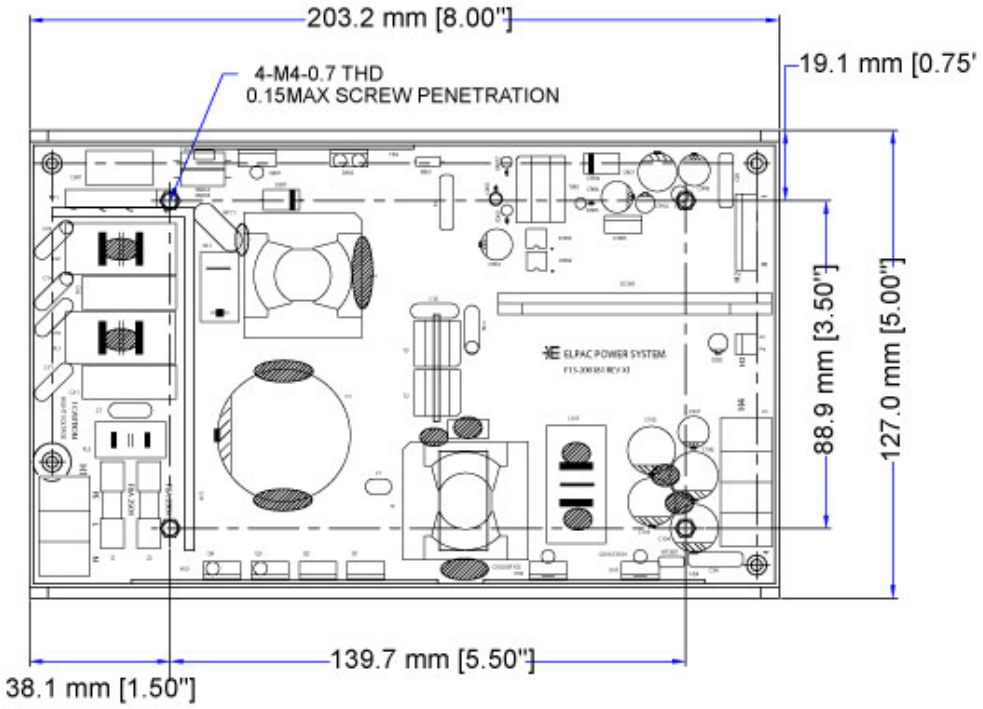
Pin 5	- Sense	
Pin 6	no connection	
Pin 7	Return for Remote on/off and +5V Standby	
Pin 8	Return to Pin 7 for +5V @ 1.0A Standby output	

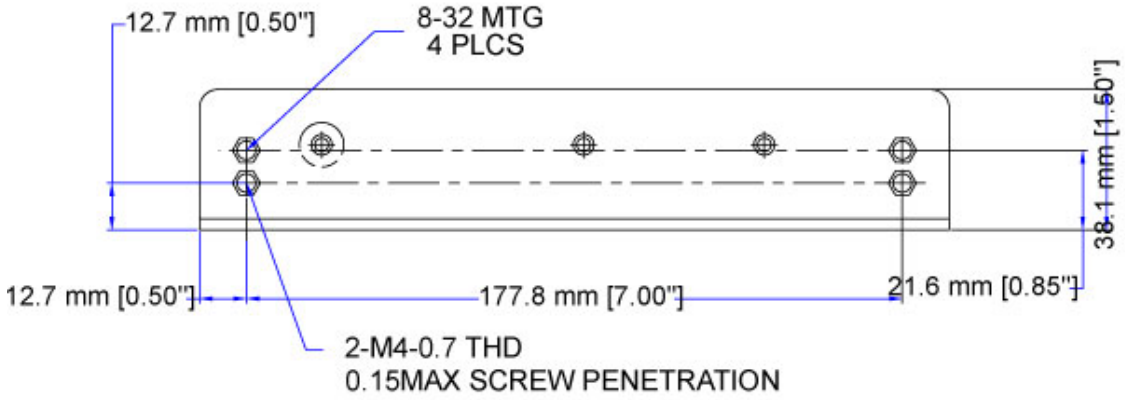
Fan Configuration (H3)

Connector	AMP P/N 640456-8 or equivalent
Mating Connector	AMP p/n 640440-8 or equivalent
Pin 1	+V Fan output will adjust from +5V to +12V depending on ambient temperature.
Pin 2	-V

Fan Configuration (H3)

Connector	AMP P/N 640456-8 or equivalent
Mating Connector	AMP p/n 640440-8 or equivalent
Pin 1	+V Fan output will adjust from +5V to +12V depending on ambient temperature.
Pin 2	-V


203.2 mm [8.00"]
4-M4-0.7 THD
0.15MAX SCREW PENETRATION
19.1 mm [0.75'
88.9 mm [3.50"]
127.0 mm [5.00"]
139.7 mm [5.50"]
38.1 mm [1.50"]


12.7 mm [0.50"]
8-32 MTG
4 PLCS
38.1 mm [1.50"]
12.7 mm [0.50"]
177.8 mm [7.00"]
21.6 mm [0.85"]
2-M4-0.7 THD
0.15MAX SCREW PENETRATION