



## SPECIFICATIONS: LINEAR POWER SUPPLY IHD48-3

**MADE IN THE U.S.A.**

### VAC INPUT:

- 100/120/220/240 VAC, +10%, -13%
- TOLERANCE FOR 230 VAC IS +15%, -10%
- FREQUENCY RANGE: 47-63HZ

### VAC JUMPERING AND FUSING REQUIREMENTS:

SILKSCREENED ON CHASSIS FOR TRANSFORMER PRIMARY TERMINALS

For Use at	100VAC	120VAC	220VAC	230/240VAC
Jumper	1&3, 2&4	1&3, 2&4	2&3	2&3
Apply AC	1&5	1&4	1&5	1&4
Max Current / Fuse Rating	3A			1.5A

### VDC OUTPUT:

- 48 VDC @ 3 AMP

### OVERVOLTAGE PROTECTION:

- NOT PROVIDED. AVAILABLE BY ADDING AN IOVP12 MODULE

### SHORT CIRCUIT PROTECTION:

- AUTOMATIC FOLDBACK

### OVERLOAD PROTECTION:

- AUTOMATIC CURRENT LIMIT

### LINE REGULATION:

- +/- 0.05% FOR A 10% LINE CHANGE

### LOAD REGULATION:

- +/- 0.05% FOR A 50% LOAD CHANGE  
(DERATE OUTPUT CURRENT 10% FOR 50 HZ OPERATION)

### OUTPUT RIPPLE: 5.0 mV PK-PK MAXIMUM

### TRANSIENT RESPONSE: < 50 µsec per 50% LOAD CHANGE

### TEMPERATURE RATINGS:

- OPERATING: 0°C TO 50°C FULL RATED  
DERATED LINEARLY TO 40% @ 70°C
- STORAGE: -40°C TO +85°C

### TEMPERATURE COEFFICIENT:

- TYPICAL: 0.01%/DEGREE C
- MAXIMUM: 0.03%/DEGREE C

### STABILITY: +/- 0.3% FOR 24 HOURS AFTER 1 HOUR WARM-UP

### EFFICIENCY (TYPICAL): 45%

### VIBRATION:

- MIL-STD-810G, METHOD 514.6, CATEGORY 1, PROCEDURE I
- RANDOM VIBRATION 10Hz - 2KHz, 6.15 grams (3 axis)

### SHOCK:

- MIL-STD-810G, METHOD 516.6, PROCEDURE III
- OPERATING: 20 GPK

### REMOTE SENSING: NOT PROVIDED

### EMI/RFI: INHERENT LOW CONDUCTED AND REDIATED NOISE LEVELS.

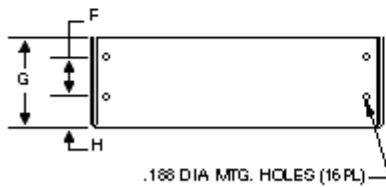
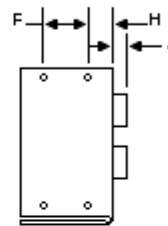
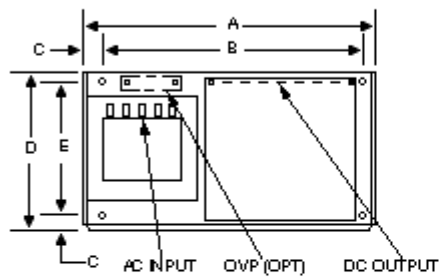
- EMI: FCC CFR TITLE 47 PART 15 SUB-PART B
- RFI: EN55022/CISPR22-LEVEL B COMPATIBILITY

UL recognized for US and Canada – File#E133338/ CE Mark: LVD 92/59/EEC/ RoHs-5 Lead in Solder Exemption  
US and Canadian (Bi-National) standards: ANSI/UL 60950-1/-21; CAN/CSA C22.2 #60950-1/-21; IEC 60950-1

## CASE SIZE: D

### D Case

Overall Size: 9.00" x 4.87" x 3.28"  
228.60mm x 123.70mm x 83.83mm  
Weight 7.5 lbs.



	INCH	mm
A	9.00	228.60
B	8.000	203.20
C	0.50	12.70
D	4.87	123.70
E	4.125	104.78
F	1.250	31.75
G	2.75	69.85
H	0.75	19.05
J	0.450	11.43

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