



## SPECIFICATIONS: LINEAR POWER SUPPLY IHB250-0.1

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

|                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------|------------|--------|------------|--------|----------|----------|-----|-----|----------|-----|-----|-----|-----|---------------------------|-------|--|--------|--|
| <b>VAC INPUT:</b> <ul style="list-style-type: none"><li>100/120/220/240 VAC, +10%, -13%</li><li>TOLERANCE FOR 230 VAC IS +15%, -10%</li><li>FREQUENCY RANGE: 47-63HZ</li></ul>   | <b>VAC JUMPERING AND FUSING REQUIREMENTS:</b><br>SILKSCREENED ON CHASSIS FOR TRANSFORMER PRIMARY TERMINALS <table><tr><td>For Use at</td><td>100VAC</td><td>120VAC</td><td>220VAC</td><td>230/240VAC</td></tr><tr><td>Jumper</td><td>1&amp;3, 2&amp;4</td><td>1&amp;3, 2&amp;4</td><td>2&amp;3</td><td>2&amp;3</td></tr><tr><td>Apply AC</td><td>1&amp;5</td><td>4&amp;1</td><td>1&amp;5</td><td>4&amp;1</td></tr><tr><td>Max Current / Fuse Rating</td><td colspan="2">0.75A</td><td colspan="2">0.375A</td></tr></table> | 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 | 4&1 | 1&5 | 4&1 | Max Current / Fuse Rating | 0.75A |  | 0.375A |  |
| 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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 4&1        | 1&5    | 4&1        |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
| Max Current / Fuse Rating                                                                                                                                                        | 0.75A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |            | 0.375A |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
| <b>VDC OUTPUT:</b> <ul style="list-style-type: none"><li>ADJUSTABLE 215-265VDC @ 0.12 AMP</li></ul>                                                                              | <b>OVERVOLTAGE PROTECTION:</b> <ul style="list-style-type: none"><li>NOT PROVIDED. AVAILABLE BY ADDING AN IOVP12 MODULE</li></ul> <b>SHORT CIRCUIT PROTECTION:</b> <ul style="list-style-type: none"><li>AUTOMATIC FOLDBACK</li></ul> <b>OVERLOAD PROTECTION:</b> <ul style="list-style-type: none"><li>AUTOMATIC CURRENT LIMIT</li></ul>                                                                                                                                                                                  |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
| <b>LINE REGULATION:</b> <ul style="list-style-type: none"><li>+/- 0.05% FOR A 10% LINE CHANGE</li></ul>                                                                          | <b>LOAD REGULATION:</b> <ul style="list-style-type: none"><li>+/- 0.05% FOR A 50% LOAD CHANGE<br/>(DERATE OUTPUT CURRENT 10% FOR 50 HZ OPERATION)</li></ul>                                                                                                                                                                                                                                                                                                                                                                |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
| <b>OUTPUT RIPPLE:</b> 0.02% PK-PK MAXIMUM                                                                                                                                        | <b>TRANSIENT RESPONSE:</b> < 50 μsec per 50% LOAD CHANGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
| <b>TEMPERATURE RATINGS:</b> <ul style="list-style-type: none"><li>OPERATING: 0°C TO 50°C FULL RATED<br/>DERATED LINEARLY TO 40% @ 70°C</li><li>STORAGE: -40°C TO +85°C</li></ul> | <b>TEMPERATURE COEFFICIENT:</b> <ul style="list-style-type: none"><li>TYPICAL: 0.01%/DEGREE C</li><li>MAXIMUM: 0.03%/DEGREE C</li></ul>                                                                                                                                                                                                                                                                                                                                                                                    |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
| <b>STABILITY:</b> +/- 0.3% FOR 24 HOURS AFTER 1 HOUR WARM-UP                                                                                                                     | <b>EFFICIENCY (TYPICAL):</b> 55%                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
| <b>VIBRATION:</b> <ul style="list-style-type: none"><li>MIL-STD-810G, METHOD 514.6, CATEGORY 1, PROCEDURE1</li><li>RANDOM VIBRATION 10Hz - 2KHz, 6.15 grams (3 axis)</li></ul>   | <b>SHOCK:</b> <ul style="list-style-type: none"><li>MIL-STD-810G, METHOD 516.6, PROCEDURE III</li><li>OPERATING: 20 GPK</li></ul>                                                                                                                                                                                                                                                                                                                                                                                          |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |
| <b>REMOTE SENSING:</b> NOT PROVIDED                                                                                                                                              | <b>EMI/RFI:</b> INHERENT LOW CONDUCTED AND RADIATED NOISE LEVELS. <ul style="list-style-type: none"><li>EMI: FCC CFR TITLE 47 PART 15 SUB-PART B</li><li>RFI: EN55022/CISPR22-LEVEL B COMPATIBILITY</li></ul>                                                                                                                                                                                                                                                                                                              |            |        |            |        |            |        |          |          |     |     |          |     |     |     |     |                           |       |  |        |  |

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: B

