**MATERIAL AND FINISH**

Insulator: Nylon 66, color black, UL 94V-0 rated
Positive contact: Beryllium Copper, Nickel plated
Negative contact: Brass, Nickel plated

**ELECTRICAL SPECIFICATIONS**
Voltage & current rating: 3 VDC, 120 mA
Inter contact resistance: 100 mohm max. at both the positive and negative terminals when measured between the terminals of the PDI-2425 at 1 KHz with low drainage (100mA max.)
Insulation resistance: 100 Mohm min. with 500 VDC applied between the positive and negative terminals.
Dielectric withstanding voltage: 500 VDC applied for one minute between the positive and negative terminals.

**MECHANICAL SPECIFICATIONS**
Battery insertion force: 0.3kg-1.0kg for the initial battery insertion
Spring pressure: 50g min. initial contact force at positive and negative terminals
Terminal strength: Electrical and mechanical performance specifications should still be satisfied without terminal cracking or excessive play, with a static load of 1kg applied to the terminals in any direction; however, the terminals may bend.

---

### TABLE 1: CROSS REFERENCE CHART

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>NOMINAL BATTERY SIZE</th>
<th>MEMORY PROTECTION DEVICES (MPD)</th>
<th>SAFT</th>
<th>KEYSTONE</th>
<th>S.E.I.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDI-2425-0</td>
<td>24.0/25.0 x 2.5/3.0</td>
<td>BH 1000</td>
<td>HLD2425</td>
<td>105</td>
<td>2S2425-0</td>
</tr>
</tbody>
</table>

**TOLERANCE**

UNLESS OTHERWISE SPECIFIED:

- ±
- X X ±
- XX ±

---

### TABLE 2: BATTERY HOLDER SELECTION GUIDE

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>GE</th>
<th>SANYO</th>
<th>VARTA</th>
<th>UNION CARBIDE</th>
<th>EVEREADY</th>
<th>PANASONIC</th>
<th>RAYOVAC</th>
<th>SAFT</th>
<th>DURACELL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDI-2425-0</td>
<td>CR</td>
<td>2430</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PDI-2425-1</td>
<td>CR</td>
<td>2420</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

---

**Power Dynamics, Inc.**

Phone: 973 560-0019  Whipppany, New Jersey  Fax: 973 560-0076

PART: COIN CELL
BATTERY HOLDER

**DRAWN BY**

GQ DATE: 03/22/02

**CHECK BY**

TD DATE: 05/08/02

**APPR BY**

PB DATE: 05/08/02

**PART #:**

PDI-2425-X

**SHEET:**

1 of 1

**SCALE:**

NTS

**REV:**

---
MATERIAL AND FINISH

Insulator: Nylon, color black, UL 94V-0 rated
Positive contact: See Table 1
Negative contact: Brass, Nickel plated

ELECTRICAL SPECIFICATIONS

Voltage & current rating: 3 VDC, 120 mA
Inter contact resistance: 100 mohm max. at both the positive and negative terminals when measured between the terminals of the PDI-2032 at 1 KHz with low drainage (100mA max.)
Insulation resistance: 100 Mohm min. with 500 VDC applied between the positive and negative terminals.
Dielectric withstanding voltage: 500 VDC applied for one minute between the positive and negative terminals.

MECHANICAL SPECIFICATIONS

Battery insertion force: 0.3kg-1.0kg for the initial battery insertion
Spring pressure: 50g min. initial contact force at positive and negative terminals
Terminal strength: Electrical and mechanical performance specifications should still be satisfied without terminal cracking or excessive play, with a static load of 1kg applied to the terminals in any direction; however, the terminals may bend.

NOTES:
(1) 2032 size battery fits loosely into MDP socket P/N BH906 with 3mm (.118") diametrical clearance.

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>GE SANYO</th>
<th>VARTA</th>
<th>UNION CARBIDE (EVEREADY)</th>
<th>PANASONIC</th>
<th>SAFT</th>
<th>DURACELL</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDI-2032-0</td>
<td>CR 2032</td>
<td>CR 2032</td>
<td>BR 2032 (EVEREADY)</td>
<td>BR 2032</td>
<td>DL 2032</td>
<td></td>
</tr>
<tr>
<td>PDI-2032-1</td>
<td>CR 2025</td>
<td>CR 2025</td>
<td>BR 2025</td>
<td>CR 2025</td>
<td>DL 2025</td>
<td></td>
</tr>
</tbody>
</table>

4 REMOVAL SLOTS

RECOMMENDED PCB LAYOUT TOP VIEW

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>NOMINAL BATTERY SIZE</th>
<th>MEMORY PROTECTION DEVICES(MPD)</th>
<th>SAFT</th>
<th>KEYSTONE</th>
<th>S.E.I.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDI-2032-0</td>
<td>20.0 x 3.2</td>
<td>BH 906(1)</td>
<td>N/A</td>
<td>106</td>
<td>2S2032-0</td>
</tr>
</tbody>
</table>

TOLERANCE UNLESS OTHERWISE SPECIFIED

X ± 0.02
XX ± 0.04
XXX ± 0.20

Power Dynamics, Inc.
Phone: 973 560-0019   Whipppany, New Jersey  Fax: 973 560-0076

PART: COIN CELL
BATTERY HOLDER

TABLE 2: CROSS REFERENCE CHART

TABLE 1

<table>
<thead>
<tr>
<th>PART NUMBER</th>
<th>POSITIVE CONTACT MATERIAL</th>
<th>PLATING</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDI-2032-0</td>
<td>BERYLLIUM COPPER</td>
<td>NICKEL</td>
</tr>
<tr>
<td>PDI-2032-1</td>
<td>PHOSPHOR BRONZE</td>
<td>NICKEL</td>
</tr>
<tr>
<td>PDI-2032-2</td>
<td>BERYLLIUM COPPER</td>
<td>NICKEL</td>
</tr>
</tbody>
</table>

TABLE 3: BATTERY HOLDER SELECTION GUIDE

NOTES:
MATERIAL & FINISH:
Housing: 46 Nylon, UL-94V-0 rated, color natural
Positive Contact: Beryllium Copper, Tin plated
Negative Contact: Brass, Tin plated

ELECTRICAL PERFORMANCE:
1. Rating: DC 3V, 120mA.
2. Insulation resistance: 100Mohm min. with
500VDC applied for one minute between the
positive and negative terminals.
3. Voltage durability: No degradation with 500VDC
applied for one minute between the positive and
negative terminals.

D D
C C
B B
A A

5 REMOVAL SLOTS
4.8 WIDE x 1.5 DEEP

2X Ø1.02±0.10

20.50±0.13

NEGATIVE CONTACT
MUST HAVE BUMP

RECOMMENDED
PCB LAYOUT

RoHS
COMPLIANT

Power Dynamics, Inc.
Phone: 973 560-0019  Whippany, New Jersey  Fax: 973 560-0076

PART: BATTERY HOLDER, COIN CELL
HIGH TEMPERATURE

PDI-2325-0HT

DRAWN BY  AH  DATE:  9/6/98
CHECK BY  TD  DATE:  3/17/99
APPR BY  SS  DATE:  3/17/99

SHEET
1 of 1

SIZE:  A
SCALE:  NTS
DIMENSIONS ARE IN MILLIMETERS

REV:  D
MATERIAL & FINISH:
Housing: PBT, UL-94V-0 rated, color black
Positive Contact: Beryllium Copper, Tin plated
Negative Contact: Brass, Tin plated

ELECTRICAL PERFORMANCE:
1. Rating: DC 3V, 120mA.
2. Insulation resistance: 100Mohm min. with 500VDC applied for one minute between the positive and negative terminals.
3. Voltage durability: No degradation with 500VDC applied for one minute between the positive and negative terminals.

NOTES:
1. 2325 size battery fits loosely into Saft socket P/N HLD2425 with 2mm (.079") diametrical clearance.
2. 2325 size battery fits loosely into Keystone socket P/N 105 with 1.7mm (.067") diametrical clearance.

5 REMOval SLOTS
4.8 WIDE x 1.5 DEEP
NEGATIVE CONTACT MUST HAVE BUMP

2X Ø1.02±0.10
20.50±0.13
6.5

RECOMMENDED PCB LAYOUT

RoHS COMPLIANT

TABLE 1: CROSS REFERENCE CHART
<table>
<thead>
<tr>
<th>PDI PART NUMBER</th>
<th>NOMINAL BATTERY SIZE</th>
<th>MEMORY PROTECTION Devices(MPD)</th>
<th>SAFT</th>
<th>KEYSTONE</th>
<th>S.E.I.</th>
</tr>
</thead>
<tbody>
<tr>
<td>PDI-2325-0</td>
<td>(2325) 23.0 x 2.5</td>
<td>BH 908</td>
<td>HLD2425(1)</td>
<td>106(2)</td>
<td>2S2325-0</td>
</tr>
</tbody>
</table>

TABLE 2: BATTERY HOLDER SELECTION GUIDE

Power Dynamics, Inc.
Phone: 973 560-0019  Whippany, New Jersey Fax: 973 560-0076

PART: BATTERY HOLDER
COIN CELL

DRAWN BY: GQ DATE: 03/21/02
CHECKED BY: TD DATE: 03/22/02
APPROVED BY: PB DATE: 03/22/02

Sheet 1 of 1
Revision: B