



Class II (V)

Product Features

- Meets medical & I.T.E. safety
- 2 MOPP input to output isolation
- Energy efficiency level V
- Touch current  $\leq 10\mu\text{A}$
- $\leq 0.3\text{W}$  standby power
- 5V and 6V output, up to 5W
- Up to 5,000m operating altitude



Models & Ratings

| Model Number       | Voltage <sup>(*1)</sup><br>(V) | Current<br>(A)         | Rated Power    | Ripple & Noise<br>(max)  | Voltage Tolerance      | Line & Load Regulation             | Efficiency (Average) | Start Up Delay                       |
|--------------------|--------------------------------|------------------------|----------------|--------------------------|------------------------|------------------------------------|----------------------|--------------------------------------|
| DP05LZ2-XXXYYYSAPA | 5.0<br>6.0                     | 0.01-1.00<br>0.01-0.80 | 5.00W<br>4.80W | 200mVpk-pk<br>200mVpk-pk | $\pm 8\%$<br>$\pm 8\%$ | Line: $\pm 5\%$<br>Load: $\pm 5\%$ | 68.17%<br>72.02%     | $\leq 3\text{s}$<br>$\leq 3\text{s}$ |

Mechanical Details

DC Cable<sup>(\*2)</sup>: UL 2464 24AWG 1200 $\pm$ 100mm

Connector<sup>(\*3)</sup>: 2.1x5.5x12mm, fork type, centre "+"

Unit: mm

Notes  
(\*1, 2, 3) Other options are available, please contact our sales representative for details.

**Input**

|  |                              |
|--|------------------------------|
| Input Voltage Range                    | 90-264VAC                    |
| Frequency Range                        | 47-63Hz                      |
| Input Current                          | 0.2A at 100VAC               |
| Inrush Current                         | 50A max at 240VAC cold start |
| Touch Leakage Current <sup>(max)</sup> | ≤10μA at 264VAC              |

**Environmental**

|                       |                               |
|-----------------------|-------------------------------|
| Operating Temperature | 0°C to 45°C                   |
| Storage Temperature   | -20°C to 60°C                 |
| Operating Humidity    | 10% to 90% RH, non-condensing |
| Storage Humidity      | 5% to 90% RH                  |
| Operating Altitude    | 5,000m                        |

**General**

|            |                                  |
|------------|----------------------------------|
| Dimensions | 62.0(L) 40.2(W) 29.0(H)mm        |
| Weight     | 75g                              |
| MTBF       | >100,000hrs MIL-HDBK-217 at 25°C |

**Protection**

|               |  |
|---------------|--|
| Overload      | 110-300% rated output power, auto recovery |
| Over Voltage  | 200% Max output voltage input to reset     |
| Short Circuit | Trip and restart (hiccup mode)             |

**Safety Approvals**

| Safety Agency / Mark | Medical                    | ITE |
|----------------------|----------------------------|-----|
| CB                   | IEC60601-1                 | -   |
| TüV SUD/Mark         | EN60601-1                  | -   |
| UL                   | ANSI/AAMI ES 60601-1(Meet) | -   |

**EMC**

| Emission             | Medical                   | ITE                                   |
|----------------------|---------------------------|---------------------------------------|
| Conduction           | IEC/EN60601-1-2, CISPR 11 | -                                     |
| Radiation            | IEC/EN60601-1-2, CISPR 11 | -                                     |
| Harmonic Currents    | EN61000-3-2, Class A      | -                                     |
| Voltage Flicker      | EN61000-3-3               | -                                     |
| Immunity             | IEC/EN60601-1-2           | -                                     |
| ESD                  | IEC61000-4-2              | ±15KV air, ±8KV contact               |
| Radiated Immunity    | IEC61000-4-3              | 10V/m, 3V/m 80MHz - 2.7GMHz           |
| EFT/Burst            | IEC61000-4-4              | ±2KV on AC port, ±1KV on signal ports |
| Surge                | IEC61000-4-5              | ±1KV line to line (different mode)    |
| Conducted Immunity   | IEC61000-4-6              | 3Vrms, 6Vrms (0.15MHz-80MHz)          |
| Magnetic Field       | IEC61000-4-8              | 30 A/m                                |
| Dips & Interruptions | IEC61000-4-11             | 0%, 70%, 0% of UT                     |

**Others**

|                              |                                  |
|------------------------------|----------------------------------|
| Dielectric Withstand Voltage | 5,656VDC input to output         |
| Insulation Resistance        | 10M Ohms, 500VDC input to output |