

DC-12V2A

12V/2A DC Universal Adapter



Input

|                   |                                              |
|-------------------|----------------------------------------------|
| AC Voltage Range  | 100-280 VAC via flushed interchangeable plug |
| AC Current        | 0.5A                                         |
| Rated Power (Pin) | 24W                                          |
| Efficiency (Typ)  | 84.47%                                       |
| Frequency Range   | 50/60Hz                                      |

Output

|                           |                 |
|---------------------------|-----------------|
| DC No Load Voltage        | 12.05 – 12.30 V |
| DC On Load Voltage Range  | 12.05 – 12.20 V |
| DC Current Range          | 2 Amps          |
| DC Power Pout (max)       | 24W             |
| Ripple & Noise Vp-p (max) | 100mV           |
| Setup Startup Time        | 96 ms           |

Environmental Limits

|                     |                                 |
|---------------------|---------------------------------|
| Working Temperature | -10° to 50°C                    |
| Case Temperature    | +20°C from Ambient at Full Load |
| Working Humidity    | 10%RH to 90%RH                  |

Mechanical Parameters

|                                   |                 |
|-----------------------------------|-----------------|
| IP Protection                     | IP54            |
| Housing Color                     | White           |
| Housing Dimension                 | 75 x 55 x 30 mm |
| Output Cable Color                | White           |
| Output Cable Length               | 1.2 metre       |
| Length of the output connector    | 10.40 mm        |
| Outer dia of the output connector | 5.40 - 5.50 mm  |
| Inner dia of the output connector | 2.16 - 2.20 mm  |

Protection

|                  |         |
|------------------|---------|
| Over Voltage     | 270 VAC |
| Over Current     | 2.8 A   |
| DC Short Circuit | Yes     |

Product Safety

|                      |                                                       |
|----------------------|-------------------------------------------------------|
| Withstand Voltage    | Electrostatic Discharge:<br>±8kV(Air) ±4kV(Contact)   |
| Isolation Resistance | 3.0kV Between Input and Output.                       |
| Surge Voltage        | Surge Immunity: ±1kV(differential),<br>+ ±2kV(common) |

## Ordering Information

| Model No.     | Description                   |
|---------------|-------------------------------|
| HFCL-DC-12V2A | DC Universal Adapter 12V, 2A* |

\*Note: Type of input plug to be specified at time of ordering, else Indian plug will be supplied by default.

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