



All information contained herein applies only to the above listed part number. Other versions of this part number with electrical or mechanical variations are available. Contact CUI Inc. for further assistance. 9615 SW Allen Blvd., Ste. 103, Beaverton OR 97005
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1.0 General Description

Model DTS060200SUDC-P5-SZ is a universal switching-mode power supply, operating at input voltage 90VAC to 264VAC and output voltage of 6VDC with 2A DC load.

2.0 Electric Characteristics

2.1 Input

| No | ITEM | SPECIFICATION |
|----|-------------------------------|--|
| 1. | Rated input Voltage | AC100V-240V |
| | Vibration input Voltage Range | AC90V-264V |
| 2. | Frequency Rated | 50-60Hz |
| | Frequency Vibration | 47-63Hz |
| 3 | Input Rated Current | 380mA RMS Max |
| | Input min. Current | 100mA Max |
| | Inrush Current | 30A Max .at 115vac cool start 50A Max. at 230vac cool start |
| 4. | Input power | 30VA Max |
| 5 | Leakage current | 0.25mA |
| | Efficiency | 65% Min. |



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2.2 Output:

| No | ITEM | V1 | |
|----|--------------------------|-----------------------------------|--|
| 1. | *output Voltage | +6VDC | |
| 2. | *output max. current | 2A | |
| 3. | output min. Current | 0A | |
| 4. | Line regulation | $\pm 1\%$ | |
| 5. | Load regulation | $\pm 5\%$ | |
| 6. | Over voltage protection | 7.1V to 7.9V (output shut down) | |
| 7. | Short circuit protection | Output shut down and auto restart | |
| 8. | Ripple Voltage (L.F.) | 100mV (p-p) (100V-240VAC Input) | |

3.0 HI-POT SPECIFICATION

3.1 Input to output: 3000VAC or 4240VDC 10mA 1minute.

4.0 Insulation resistance:

4.1 Input to output: 500vdc to test the input to output resistance not be less 100M ohm

5.0 Safety approved: UL,CUL,TUV,CE.

6.0 EMI standard : meet FCC class B , CE ,VCCI - II



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7.0 Mechanical specification:

7.1 AC Plug : ICE 320/C7-2 2PIN Type.

7.2 DC cord:

7.2.1 Bending test: Life 1000 times 100% guarantee. Swings 120 form
Left to right loading weight 500 gm , 40 cycle/minute.

7.2.2 Pull test : DC cord and plug ,weight 6kg for 1 minute.

7.4 Output plug and cord length: See Reference(2)

7.5 Weight : 233 gm

7.6 Case Size:(L) 74 X (W)46 X (H)25.5mm

8.0 Normal operating temperature and humidity

8.1 Operating temperature : 0° C to 40° C.

8.2 Humidity : 20% to 80%.

9.0 Storage temperature and humidity:

9.1 Storage temperature : -10° C to 70° C.

9.2 Humidity : 10% to 90%.

SPEC NO:

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UNIT: mm

DATE: 08/29/00

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