



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 DTS050250SUDC-P5-SZ is a universal switching-mode power supply, operating at input voltage 90VAC to 264VAC and output voltage of 5VDC with 2.5A 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	+5.0VDC	
2.	*output max. current	2.5A	
3.	output min. Current	0A	
4.	Line regulation	± 1%	
5.	Load regulation	± 5%	
6.	Over voltage protection	6.46V to 7.14V ( 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 : 234 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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