



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



Model

TCDC-7001



Industrial DC:DC Converter for Photovoltaic Applications



- 24 Watt DC Power Supply
- Wide DC Input Range
- Isolation Control
- 80% Efficiency Typical

Electrical Specifications

Rated Input Voltage	200 - 600 VDC
Input Voltage Range	190 - 1000 VDC
Volts Output	24 VDC +/- 2%
Rated Load Current	1.0 Amps
Input Power Max	30 watts DC
Ripple and Noise	< 120 mVp-p
Standby Power	<2 watts Typ at 600 VDC
In Rush Current	60 Amps Max at 1000VDC
Hold Up Time	> 20 mS at 400V Input end 1A Output Load
Internal Input Fuse	Not Replaceable
ESD Immunity	8kV air and 4kV contact per IEC61000 - 4 -2

Input Surge Immunity per IEC61000-4-5	2KV
Single Pulse, 1.2/50uS (class 3).	

Mechanical Specifications

35 MM DIN Rail Mounting

Glass Filled Plastic case is durable with UL 94 V - 0 Flame Rating

Humidity | storage 95% from +25 to 50 C

Storage Temperature | - 40 to 75 C

Operating Temperature | - 20 to 50 C

-per UL 1741 Internal Ambient Expectations

MTBF (Calc) | > 200,000 hours at 40 C

Life Time | > 50,000 hours at 50 C ambient

Features:

Power On LED indicator light

Fault protected and auto reset:

Input under-voltage, output over-load, or thermal shut down results in hiccup mode (Auto Restart).

Option 'L' - above faults latch unit off until input power cycled.

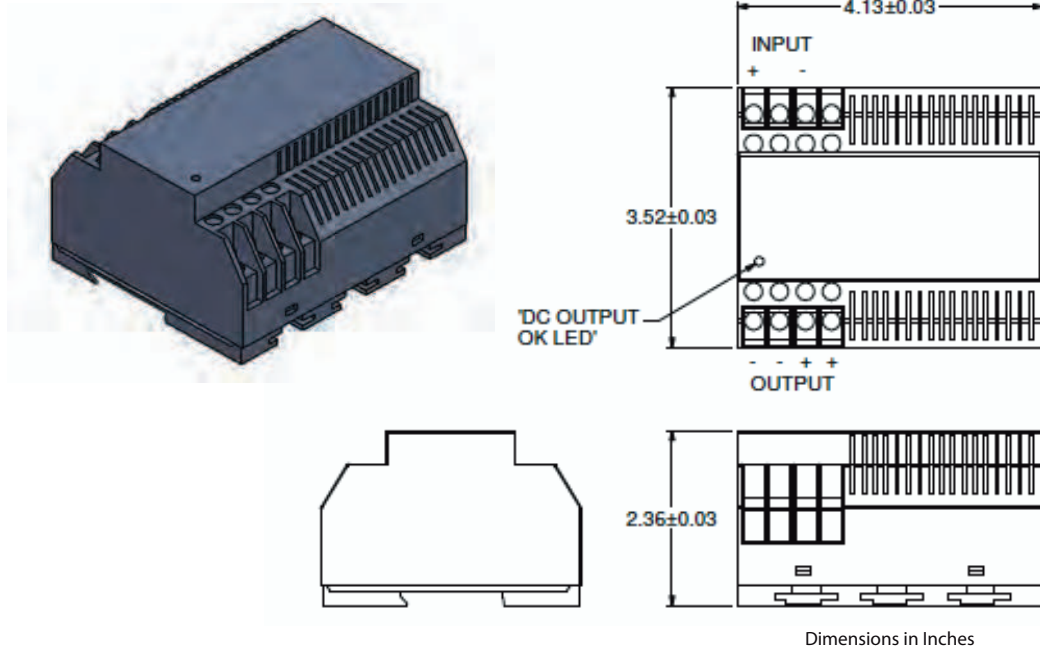
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Mechanical Specifications



Safety Specifications

Component certification in accordance with:

- UL 1741
- CSA No.107.1
- UL 1012

Output isolated from Input.

Dielectric Strength 4250 Vdc 60 sec.

from Input Terminals to Output Terminals
and terminals to plastic case

For use in Controlled Environment, see Installation Guide Warnings and Restrictions.

Applications

- Smart Combiner Box assemblies
- Remote Sensors and Security Power Source
- Radio and Wireless Data Links
- Power Current Sensors Modules
- Security Lighting
- Battery Charging (coming soon)

Item 41501 Rev C

TAMURA CORPORATION OF AMERICA
1040 SOUTH ANDREASEN DRIVE, STE.100 ESCONDIDO, CA 92029
PHONE: (951)699-1270 FAX: (951)676-9482
(800)472-6624 www.tamuracorp.com

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