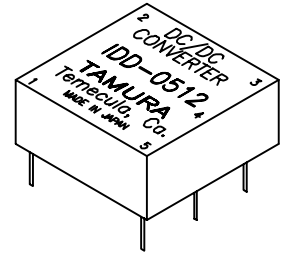


DC/DC CONVERTER 0.5W ±12V

A. Electrical Specifications

1. Input Voltage	4.5-5.5Vdc (Rating 5V)
	CH1 CH2
2. Output Voltage	12V±0.24 -12V±0.24
3. Output Current	6.25-21mA 6.25-21mA
4. Output Ripple	50mVp-p TYP. at 22µF for output cap. Recommend low ESR.
5. Line Regulation	±1% MAX.
6. Load Regulation	7% MAX.
7. Temperature coefficient	±0.03%/°C
8. Efficiency	55% MIN.
9. Output short protection	Built-in auto-reset protection
10. Operating temperature	-10°C+70°C
11. Storage temperature	-30°C+85°C
12. Operating humidity	95% RH MAX. without condensation
13. Dielectric strength	DC500V 1 MIN. Input-Output, Case
14. Insulation resistance	50MΩ MIN. at DC500V

MODEL NUMBER
IDD-0512



B. Marking; IDD-0512, TAMURA, Temecula Ca, date code and country of origin

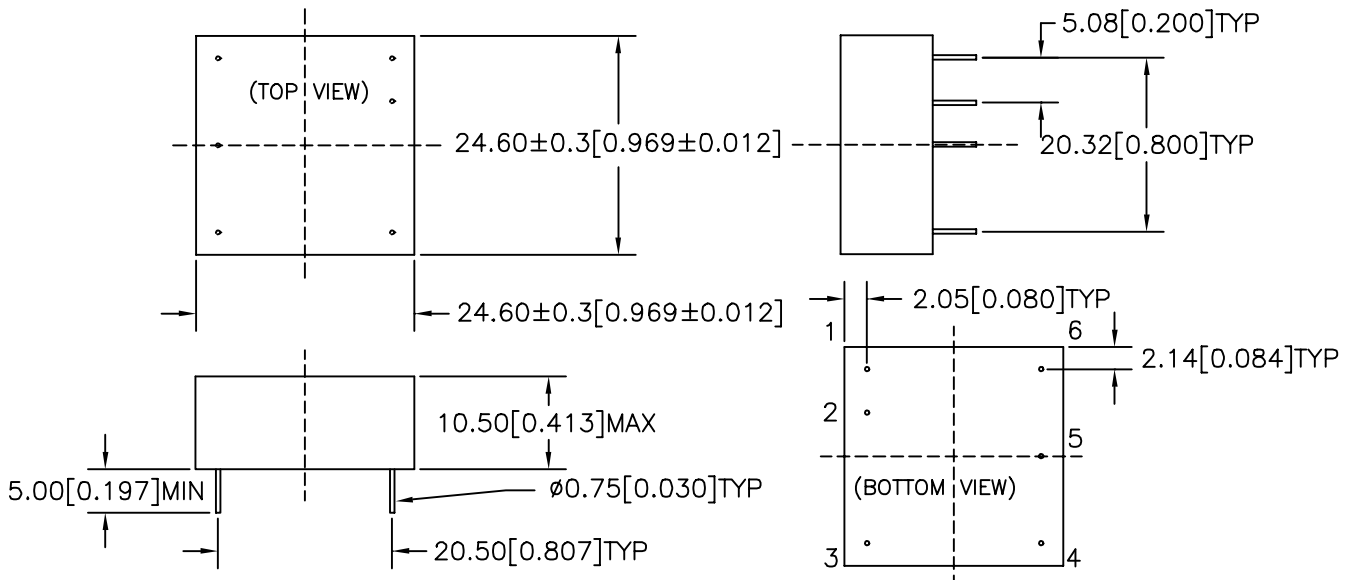
C. Schematic



External Capacitor
C1, C2 220µF / 10V
C3, C4 47µF / 16V
Recommended

D. Mechanical specification

1. Outline dimensions	24.60[0.969] x 24.60[0.969] x 10.50[0.413]MAX
2. Soldering pin diameter	∅0.75mm
3. Vibration	15G or max stroke 1.52mm whichever is smaller 10-2000Hz
4. Shock	50G half-sine wave



PREPARED BY:

D. Rund

ENGINEER:

DWG CONTROL NO. P-A3-12540
ACAD\MISCX\A3125401.DWG

REV -

DC/DC CONVERTER
0.5W 5Vin ±12Vout

IDD-0512

QUALITY CONTROL:

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
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MODEL SPECIFICATION

DIM: mm(ln) SCL: 2/1 SH: 1 OF 1

D. Kelley

APPROVED:

D. Kelley

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