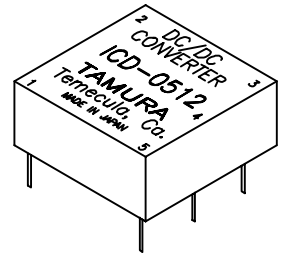


DC/DC CONVERTER 0.3W ±12V

A. Electrical Specifications

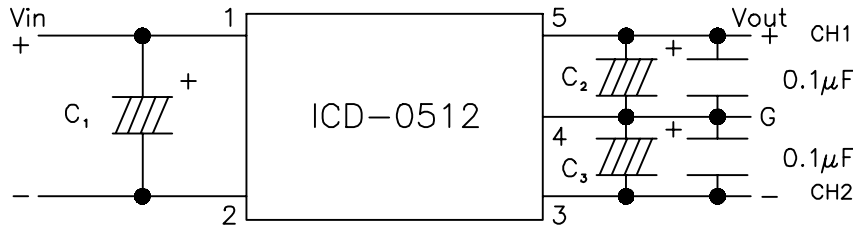
- | | |
|----------------------------|--|
| 1. Input Voltage | 4.5-5.5Vdc (Rating 5V) |
| | CH1 CH2 |
| 2. Output Voltage | 12V±0.24 -12V±0.24 |
| 3. Output Current | 3.75-12.5mA 3.75-12.5mA |
| 4. Output Ripple | 50mVp-p TYP. at 22µF for output cap.
Recommend low ESR. |
| 5. Line Regulation | ±1% MAX. |
| 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
ICD-0512



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

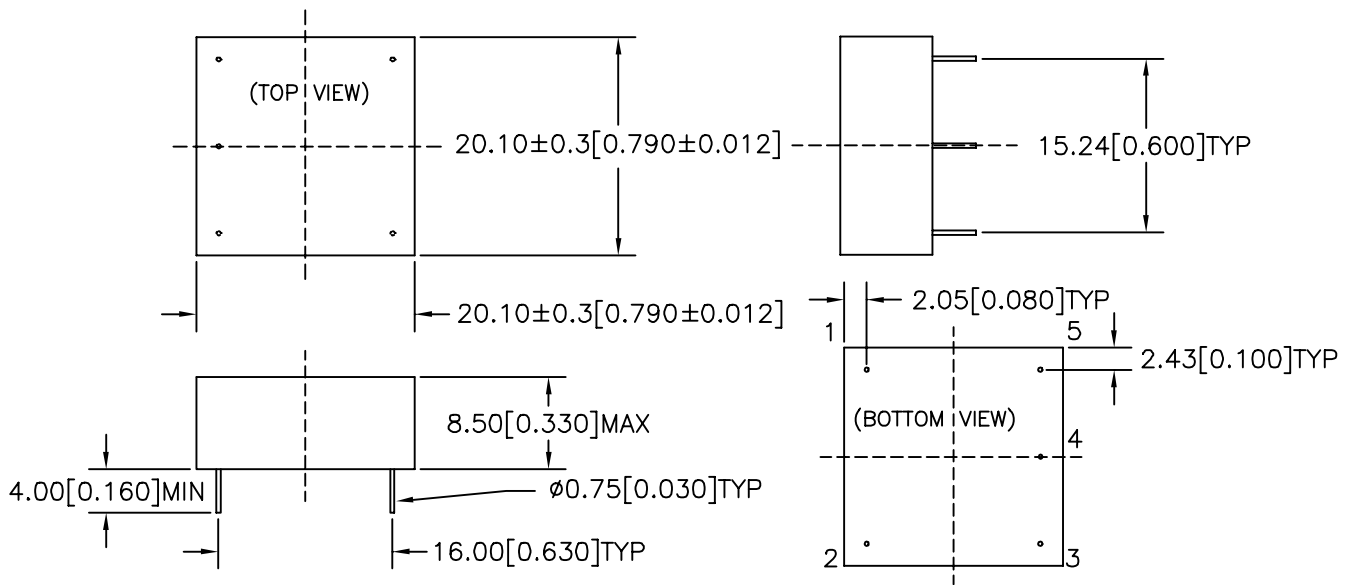
C. Schematic



External Capacitor
C1 100µF / 10V
C2,3 22µF / 16V
Recommended

D. Mechanical specification

- | | |
|---------------------------|--|
| 1. Outline dimensions | 20.10[0.790] x 20.10[0.790] x 8.50[0.330]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-A3-12529
ACAD\MISCX\A3125291.DWG

REV -

DC/DC CONVERTER
0.3W 5Vin ±12Vout

ICD-0512

QUALITY CONTROL:

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

TAMURA CORPORATION OF AMERICA
43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

MODEL SPECIFICATION

D. Kelley
APPROVED:

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

D. Kelley

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