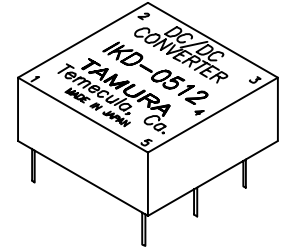


DC/DC CONVERTER 3.0W +5V : ±12V

MODEL NUMBER
IKD-0512

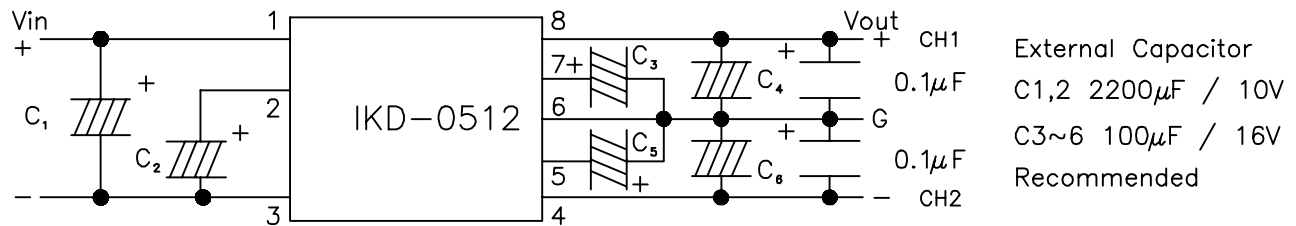
A. Electrical Specifications

- | | |
|----------------------------|---|
| 1. Input Voltage | 4.5-5.5Vdc (Rating 5V) |
| 2. Output Voltage | CH1
CH2 |
| 3. Output Current | +12V±0.24 -12V±0.24
37.5-125mA 37.5-125mA |
| 4. Output Ripple | 40mVp-p typ. at 100µF for output cap.
Recommend low ESR. |
| 5. Line Regulation | ±2% max. |
| 6. Load Regulation | 8% max. |
| 7. Temperature coefficient | ±0.03%/°C |
| 8. Efficiency | 50% 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 |



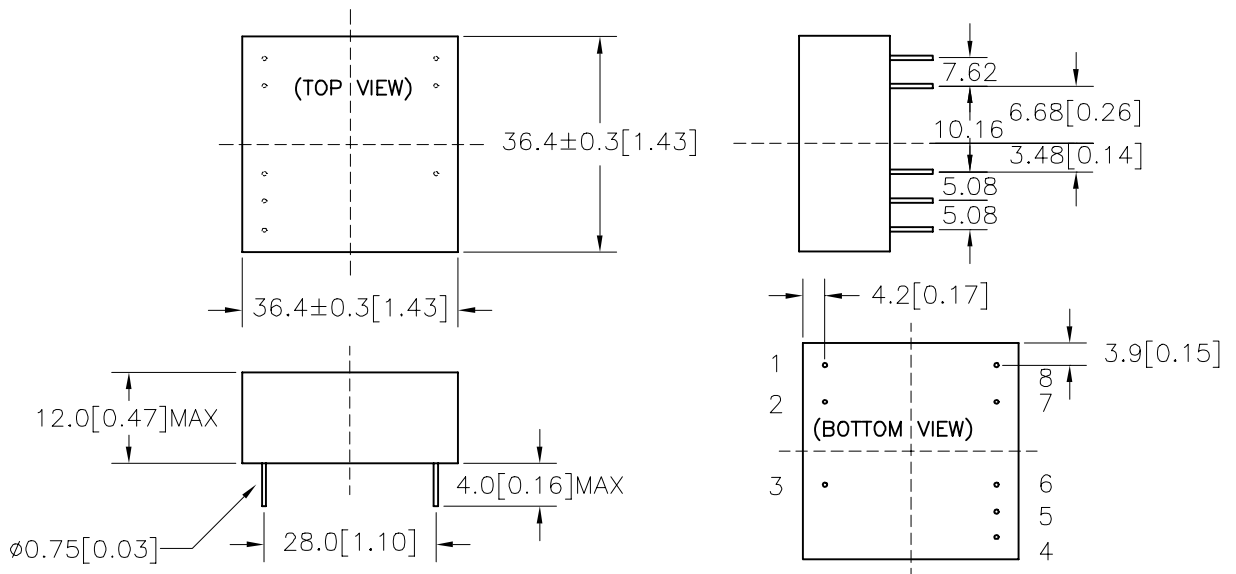
B. Marking; IKD-0512, TAMURA, Temecula Ca, date code and country of origin

C. Schematic



D. Mechanical specification

- | | |
|---------------------------|---|
| 1. Outline dimensions | 36.7(1.44) x 36.7(1.44) x 12(0.47) max. |
| 2. Soldering pin diameter | ø0.75mm |
| 3. Vibration | 15G or max stroke 1.52mm whichever is smaller
10-200Hz |
| 4. Shock | 50G half-sine wave |



PREPARED BY:

D. Rund

ENGINEER:

D. Suzuki

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO. P-A3-12264
ACAD\DC-DC\A3122641.DWG

REV -
DC/DC CONVERTER
3W 5Vin ±12Vout

IKD-0512
MODEL SPECIFICATION

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DIM: mm(ln) SCL: NONE SH: 1 OF 1

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