

DC/DC CONVERTER 3.0W +12V : ±12V

A. Electrical Specifications

1. Input Voltage

2. Output Voltage

3. Output Current

4. Output Ripple

5. Line Regulation

6. Load Regulation

7. Temperature coefficient

8. Efficiency

9. Output short protection

10. Operating temperature

11. Storage temperature

12. Operating humidity

13. Dielectric strength

14. Insulation resistance
- 9.6–14.4Vdc (Rating 12V)

CH1
+12V±0.24

CH2
–12V±0.24

37.5–125mA

37.5–125mA

40mVp–p typ. at 100μF for output cap.
Recommend low ESR.

±1% MAX.

8% MAX.

±0.03%/°C

55% MIN.

Built-in auto–reset protection

–10°C–+70°C

–30°C–+85°C

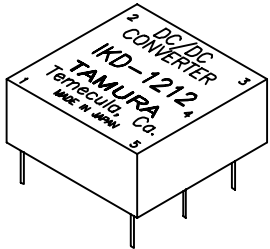
95% RH max. without condensation

DC500V 1 min. Input–Output, Case

50MΩ min. at DC500V

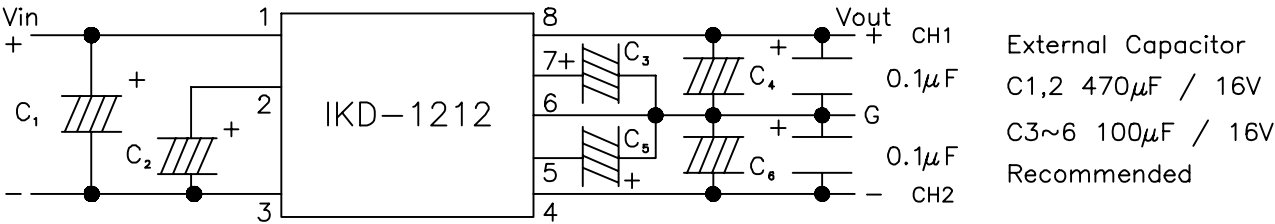
MODEL NUMBER

IKD-1212



B. Marking; IKD-1212, TAMURA, Temecula Ca, date code and country of origin

C. Schematic



External Capacitor
C1,2 470μF / 16V
C3~6 100μF / 16V
Recommended

D. Mechanical specification

1. Outline dimensions

2. Soldering pin diameter

3. Vibration

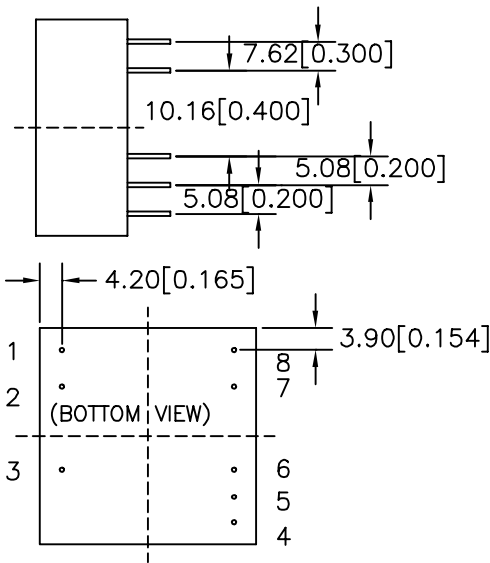
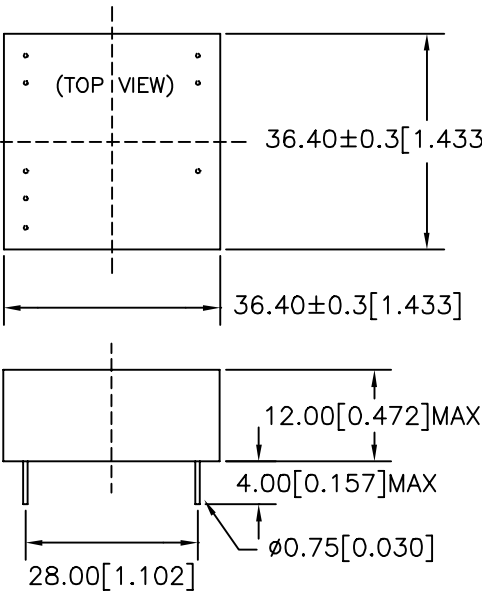
4. Shock
- 36.40[1.433] x 36.40[1.433] x 12.00[0.472]MAX.

Ø0.75mm

15G or max stroke 1.52mm whichever is smaller

10–200Hz

50G half-sine wave



PREPARED BY:

D. Rund

ENGINEER:

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.
P-A3-12544
ACAD\DC-DC\A3125441.DWG

REV

DC/DC CONVERTER
3W 12Vin ±12Vout

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IKD-1212

MODEL SPECIFICATION

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

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