

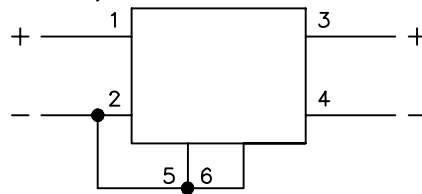
DC/DC CONVERTER 3.0W SINGLE OUTPUT TYPE

A. Electrical Specifications;

- | | |
|----------------------------|--|
| 1. Input Voltage | 18.0-32.0Vdc (Rating 24V) |
| 2. Output Voltage | 12.0±5% |
| 3. Output Current | 25-250mA |
| 4. Output Ripple | 100mVp-p MAX |
| 5. Line Regulation | 1% MAX |
| 6. Load Regulation | 1% MAX |
| 7. Temperature coefficient | 0.03%/°C |
| 8. Efficiency | 80% MIN |
| 9. Output short protection | Built-in auto-reset protection |
| 10. Operating temperature | -20°C+70°C |
| 11. Storage temperature | -40°C+85°C |
| 12. Insulation resistance | 50MΩ MIN. at DC500V |
| 13. Vibration | 1.5mm, 10~55Hz,
three directions each 2 hours |
| 14. Shock | 50G, half sine wave |

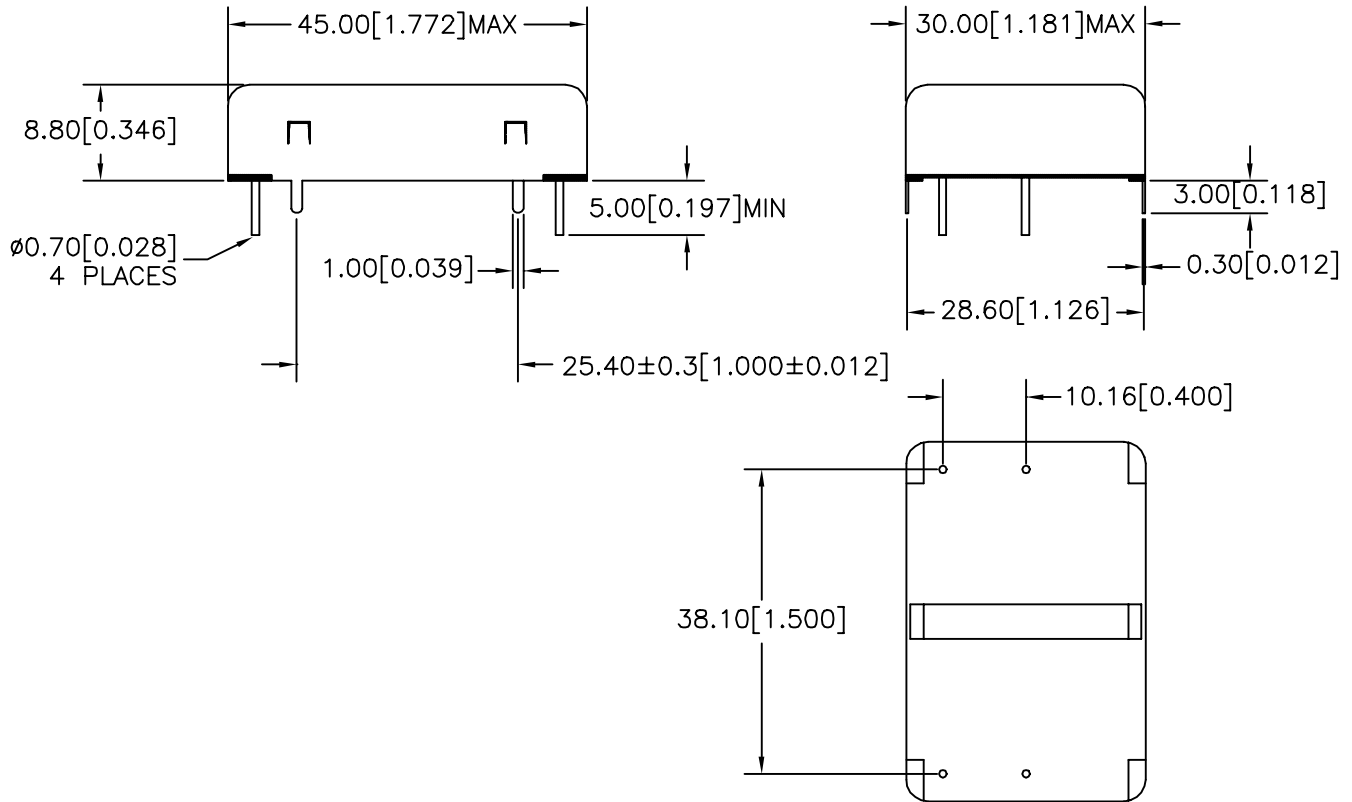
B. Marking; XKS-2412, TAMURA, date code and country of origin

C. Schematic;

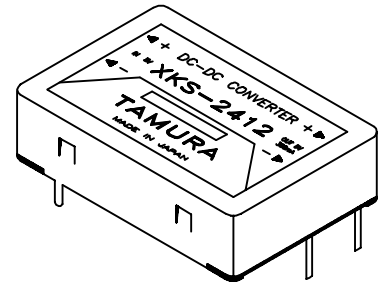


D. Mechanical specification

All dimensions nominal unless otherwise specified.



MODEL NUMBER
XKS-2412



PREPARED BY:

D. Rund

ENGINEER:

D. Suzuki

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.
P-A3-12462
ACAD\DC-DC\A3124621.DWG

REV
-

DC/DC CONVERTER
3.0W SINGLE OUTPUT

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

XKS-2412

MODEL SPECIFICATION

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

PROPRIETARY NOTICE: THIS DRAWING PRINT OR DOCUMENT AND SUBJECT MATTER DISCLOSED HEREIN ARE PROPRIETARY ITEMS TO WHICH TAMURA RETAINS THE EXCLUSIVE RIGHT OF DISSEMINATION, REPRODUCTION, MANUFACTURE AND SALE. THIS DRAWING, PRINT OR DOCUMENT IS SUBMITTED IN CONFIDENCE FOR CONSIDERATION BY THE RECIPIENT ALONE UNLESS PERMISSION FOR FURTHER DISCLOSURE IS EXPRESSLY GRANTED IN WRITING.