

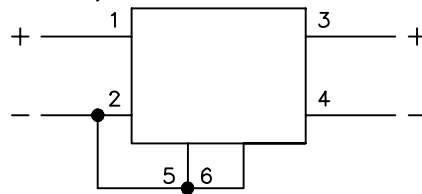
DC/DC CONVERTER 3.0W SINGLE OUTPUT TYPE

A. Electrical Specifications;

- |                            |  |
|----------------------------|--|
| 1. Input Voltage           | 4.5-5.5Vdc (Rating 5V)                           |
| 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              | 72% 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,<br>three directions each 2 hours |
| 14. Shock                  | 50G, half sine wave                              |

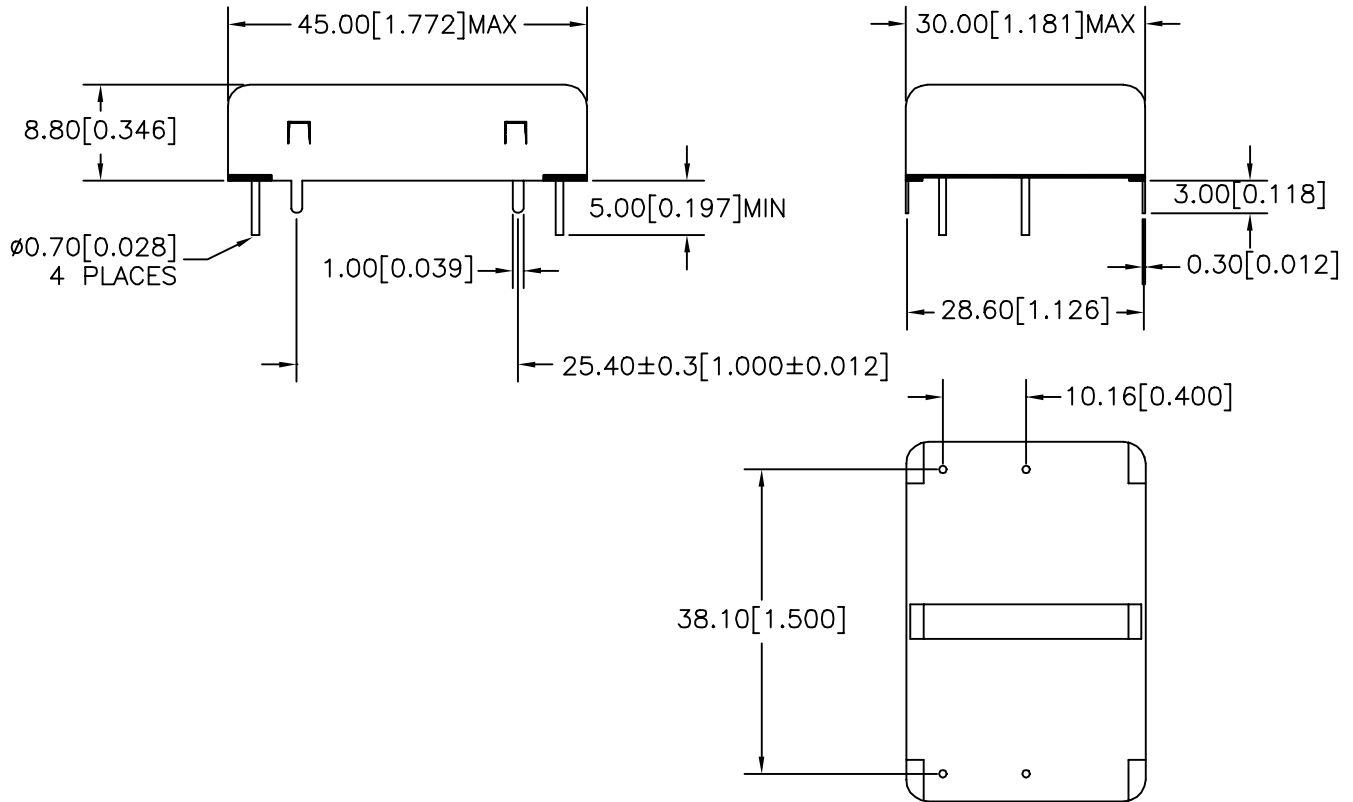
B. Marking; XKS-0512, TAMURA, date code and country of origin

C. Schematic;

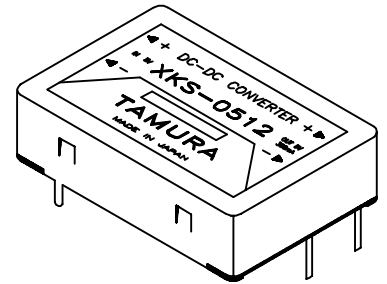


D. Mechanical specification

All dimensions nominal unless otherwise specified.



MODEL NUMBER  
**XKS-0512**



PREPARED BY:

D. Rund

ENGINEER:

D. Suzuki

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.  
P-A3-12456  
ACAD\DC-DC\A3124561.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-0512**

MODEL SPECIFICATION

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

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