

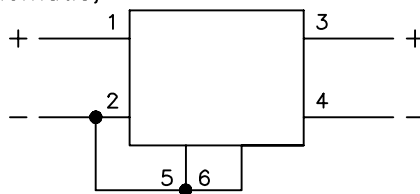
## DC/DC CONVERTER 1.5W SINGLE OUTPUT TYPE

## A. Electrical Specifications;

- |                            |                                                  |
|----------------------------|--------------------------------------------------|
| 1. Input Voltage           | 8.5-16.5Vdc (Rating 12V)                         |
| 2. Output Voltage          | 12.0±5%                                          |
| 3. Output Current          | 12-120mA                                         |
| 4. Output Ripple           | 100mVp-p MAX                                     |
| 5. Line Regulation         | 1% MAX                                           |
| 6. Load Regulation         | 1% MAX                                           |
| 7. Temperature coefficient | 0.03%/°C                                         |
| 8. Efficiency              | 67% 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                              |

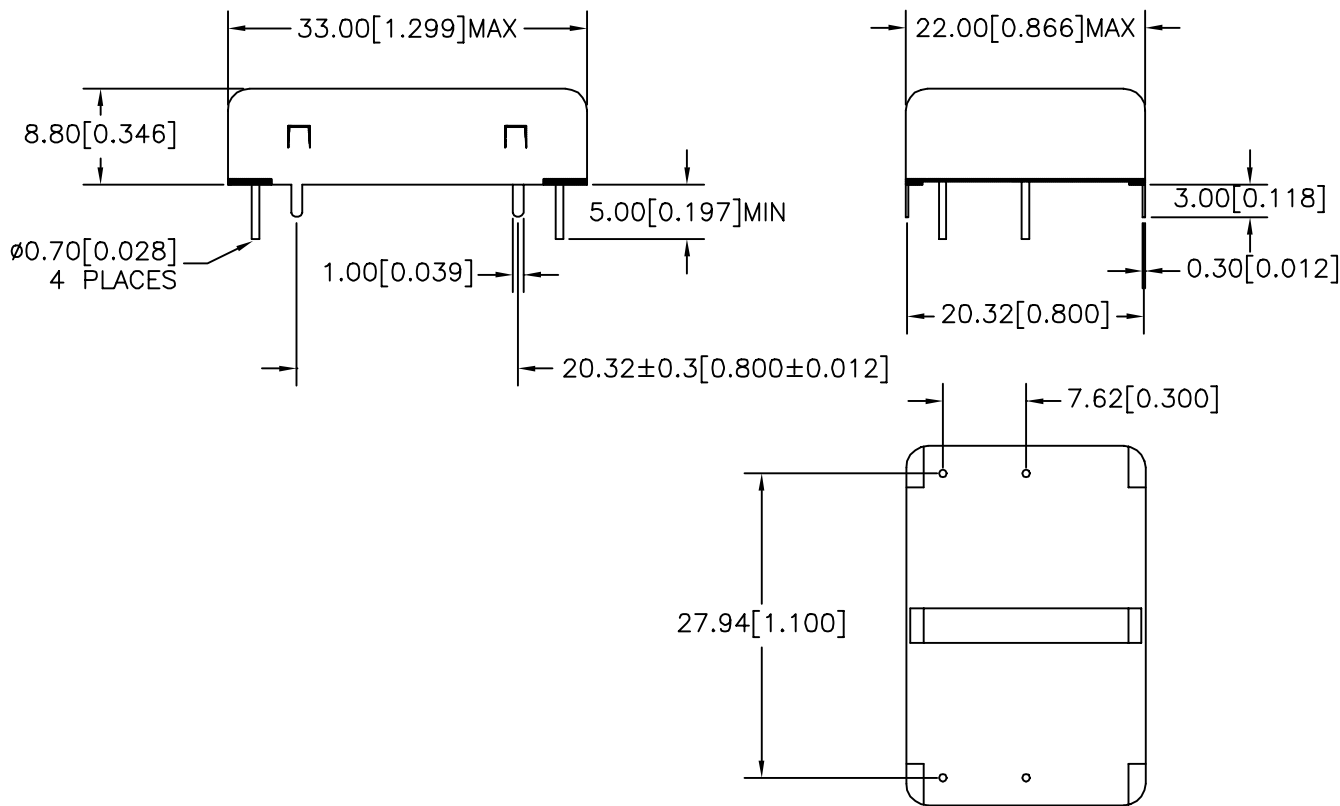
## B. Marking; XGS-1212, TAMURA, date code and country of origin

## C. Schematic;



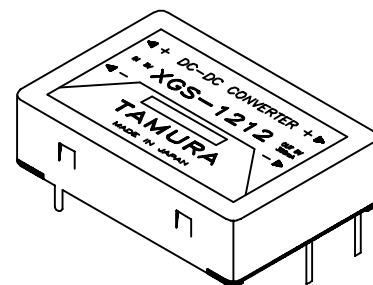
## D. Mechanical specification

All dimensions nominal unless otherwise specified.



MODEL NUMBER

XGS-1212



PREPARED BY:

D. Rund

ENGINEER:

D. Suzuki

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

 DWG CONTROL NO.  
P-A3-12450  
ACAD\DC-DC\A3124501.DWG
REV  
—DC/DC CONVERTER  
1.5W SINGLE OUTPUT
**TAMURA CORPORATION OF AMERICA**  
 43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624  
 (909) 699-1270 FAX 9096769482

XGS-1212

MODEL SPECIFICATION

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

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