

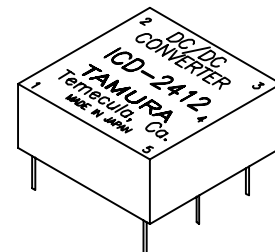
DC/DC CONVERTER 0.3W $\pm 12V_{out}$

A. Electrical Specifications

1. Input Voltage	19.2–28.8Vdc (Rating 24V)	
	CH1	CH2
2. Output Voltage	+12V ± 0.12	–12V ± 0.12
3. Output Current	3.75–12.5mA	3.75–12.5mA
4. Output Ripple	50mVp–p typ. at 22 μ F for output cap. Recommend low ESR.	
5. Line Regulation	$\pm 1.0\%$ MAX.	
6. Load Regulation	7% MAX.	
7. Temperature coefficient	$\pm 0.03\%/^{\circ}\text{C}$	
8. Efficiency	50% MIN.	
9. Output short protection	Built-in auto–reset protection	
10. Operating temperature	–10 $^{\circ}\text{C}$ –+70 $^{\circ}\text{C}$	
11. Storage temperature	–30 $^{\circ}\text{C}$ –+85 $^{\circ}\text{C}$	
12. Operating humidity	95% RH max. without condensation	
13. Dielectric strength	DC500V 1 min. Input–Output, Case	
14. Insulation resistance	50M Ω min. at DC500V	

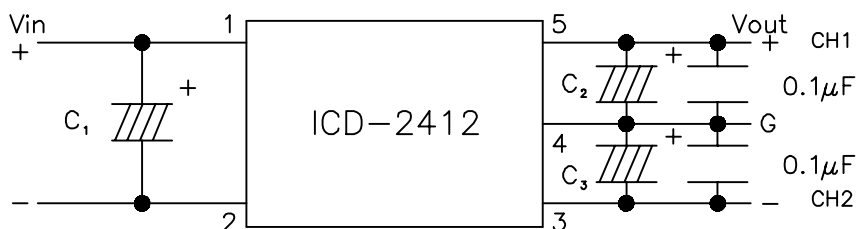
MODEL NUMBER

ICD–2412



B. Marking; ICD–2415, TAMURA, Temecula Ca, date code and country of origin

C. Schematic



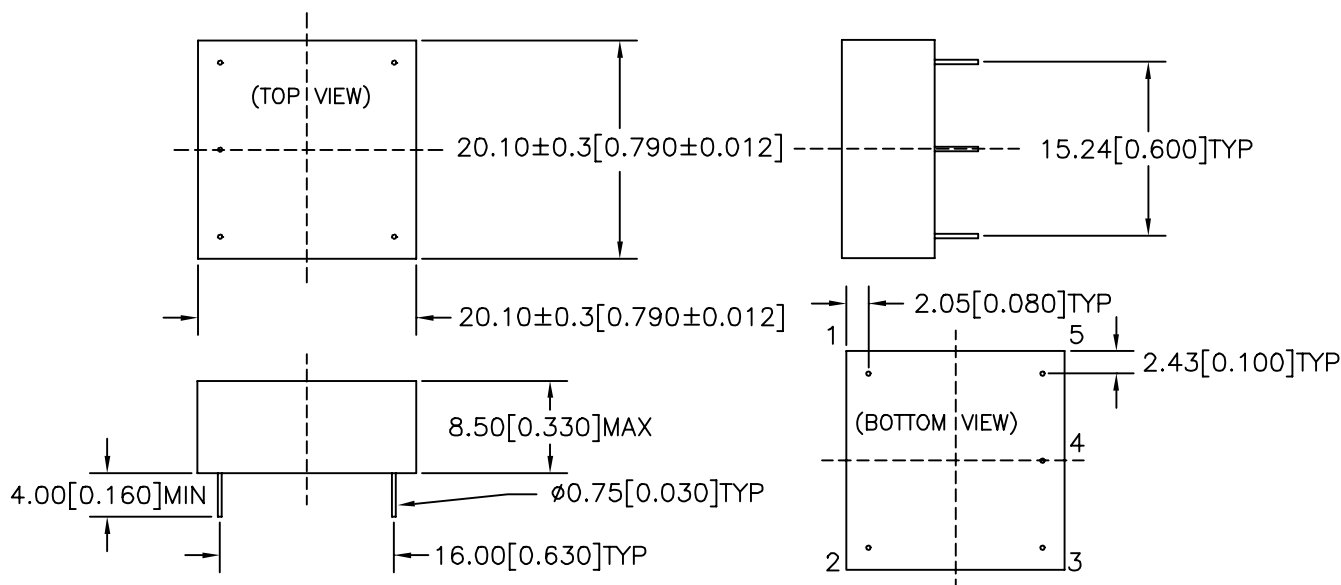
External Capacitor

C1 22 μ F / 25VC2, C3 22 μ F / 16V

Recommended

D. Mechanical specification

1. Outline dimensions	20.4(0.80) x 20.4(0.80) x 8.5(0.33) max.
2. Soldering pin diameter	$\phi 0.75\text{mm}$
3. Vibration	15G or max stroke 1.52mm whichever is smaller 10–2000Hz
4. Shock	50G half–sine wave



PREPARED BY:

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ENGINEER:

QUALITY CONTROL:

D. Kelley

APPROVED:

D. Kelley

DWG CONTROL NO.
P-A3-12533
ACAD\MISCX\A3125331.DWGREV
—DC/DC CONVERTER
0.3W 24Vin $\pm 12V_{out}$ **TAMURA CORPORATION OF AMERICA**43352 BUSINESS PARK DRIVE, TEMECULA, CA. 92590-6624
(909) 699-1270 FAX 9096769482

ICD–2412

MODEL SPECIFICATION

DIM: mm(In) SCL: 2/1 SH: 1 OF 1

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