REV. Status

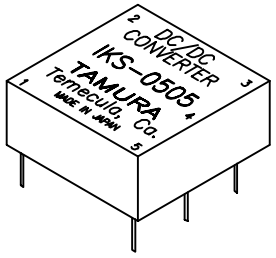
REVISION –
07/18/00 JC

DC/DC CONVERTER 3.0W +5Vout

MODEL NUMBER
IKS-0505

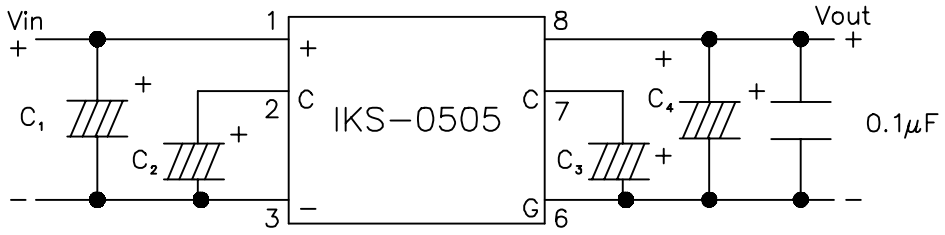
A. Electrical Specifications

1.	Input Voltage	4.5~5.5Vdc (Rating 5V)
2.	Output Voltage	+5V±0.05
3.	Output Current	180–600mA
4.	Output Ripple	40mVp–p typ. at 100μF for output cap. Recommend low ESR.
5.	Line Regulation	±2% MAX.
6.	Load Regulation	10% MAX.
7.	Temperature coefficient	±0.03%/°C
8.	Efficiency	45% MIN.
9.	Output short protection	Built–in auto–reset protection
10.	Operating temperature	–10°C–+70°C
11.	Storage temperature	–30°C–+85°C
12.	Operating humidity	95% RH max. without condensation
13.	Dielectric strength	DC500V 1 min. Input–Output, Case
14.	Insulation resistance	50MΩ min. at DC500V



B. Marking; IKS–0505, TAMURA, Temecula Ca, date code and country of origin

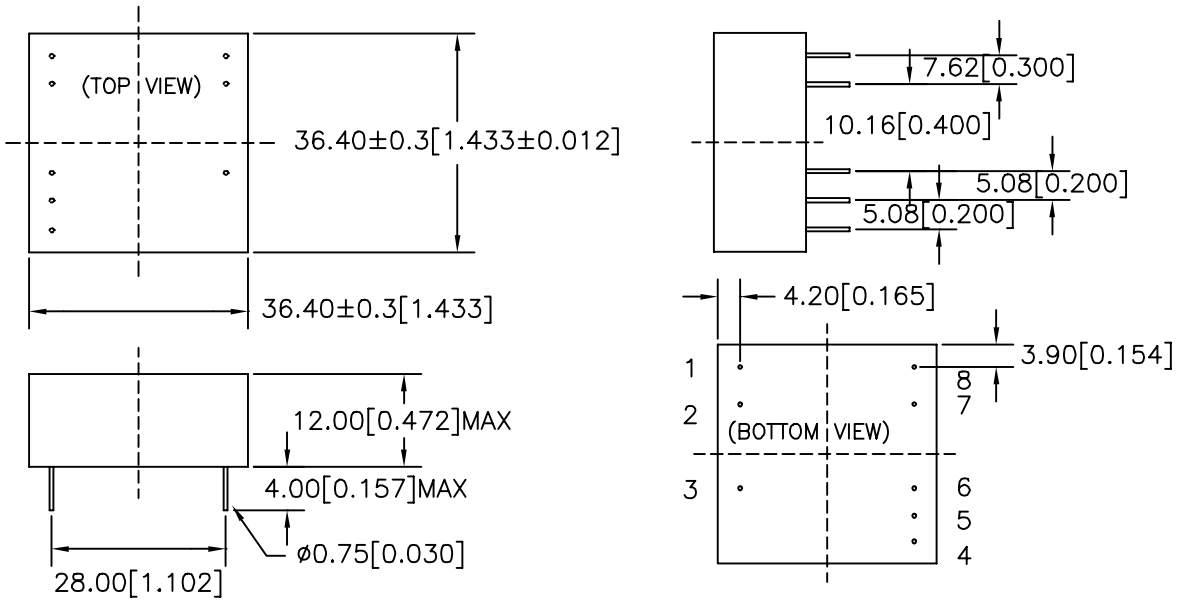
C. Schematic



External Capacitor
C1, C2 2200μF/10V
C3, C4 1000μF/10V
Recommended

D. Mechanical specification

1.	Outline dimensions	36.40[1.433] x 36.40[1.433] x 12.00[0.472]MAX.
2.	Soldering pin diameter	ø0.75mm
3.	Vibration	15G or max stroke 1.52mm whichever is smaller 10–200Hz
4.	Shock	50G half–sine wave



PREPARED BY:
D. Rund

ENGINEER:

QUALITY CONTROL:
D. Kelley

APPROVED:
D. Kelley

DWG CONTROL NO. P–A3–12549
ACAD\DC–DC\A3125491.DWG

REV –

DC/DC CONVERTER
3W 5Vin +5Vout

CONTENTS OF THIS DRAWING ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE

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

IKS–0505
MODEL SPECIFICATION

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