15 Watt EY Series

Shindengen America, Inc.

FEATURES

- High Efficiency
- Low Cost
- MTBF > 250,000 Hours
- 5, 9, 12, 15 or 24 Volt Models
- Totally Enclosed
- LED Indicator
- FCC Level “A” EMI Filter
- UL478 Recognized

SPECIFICATIONS

INPUT

Voltage	85 - 132 VAC
Frequency	47 - 63 Hz
Current	
Full Load	100 VAC - 0.34A (RMS)
Inrush	100 VAC - 3.5A

OUTPUT

Regulation	
Total	±3%
Line (static)	±0.2%
Line (dynamic)	±0.4%
Load (static)	±0.5%
Load (dynamic)	±0.7% (for ±10% change of nominal output current)
Drift	±0.5% (for 8 hours after 10 min. warm-up)
Temp. Coefficient	±0.02%
Ripple & Noise	1% + 50 mV max. (peak-to-peak) (measured at 25°C with a bandwidth of 50 MHz)
Hold-up Time	20 mS min. (measured at 100 VAC full load, 25°C)
Rise Time	300 mS max. (measured at 100 VAC, full load, 25°C)
Converter Topology	Forward Converter
Operating Frequency	200 KHz

PROTECTION

Overvoltage	Not Provided.
Overload	All models are protected against overload. The control circuit has a foldback characteristic with the knee set at 110% of full-rated load. Recovery is automatic after removal of the fault. See Engineering Section.

INSULATION

All models meet the requirements of UL478, Input-to-Chassis, Input-to-Output, Output-to-Chassis and Leakage Current specifications. See Engineering Section.

ENVIRONMENT

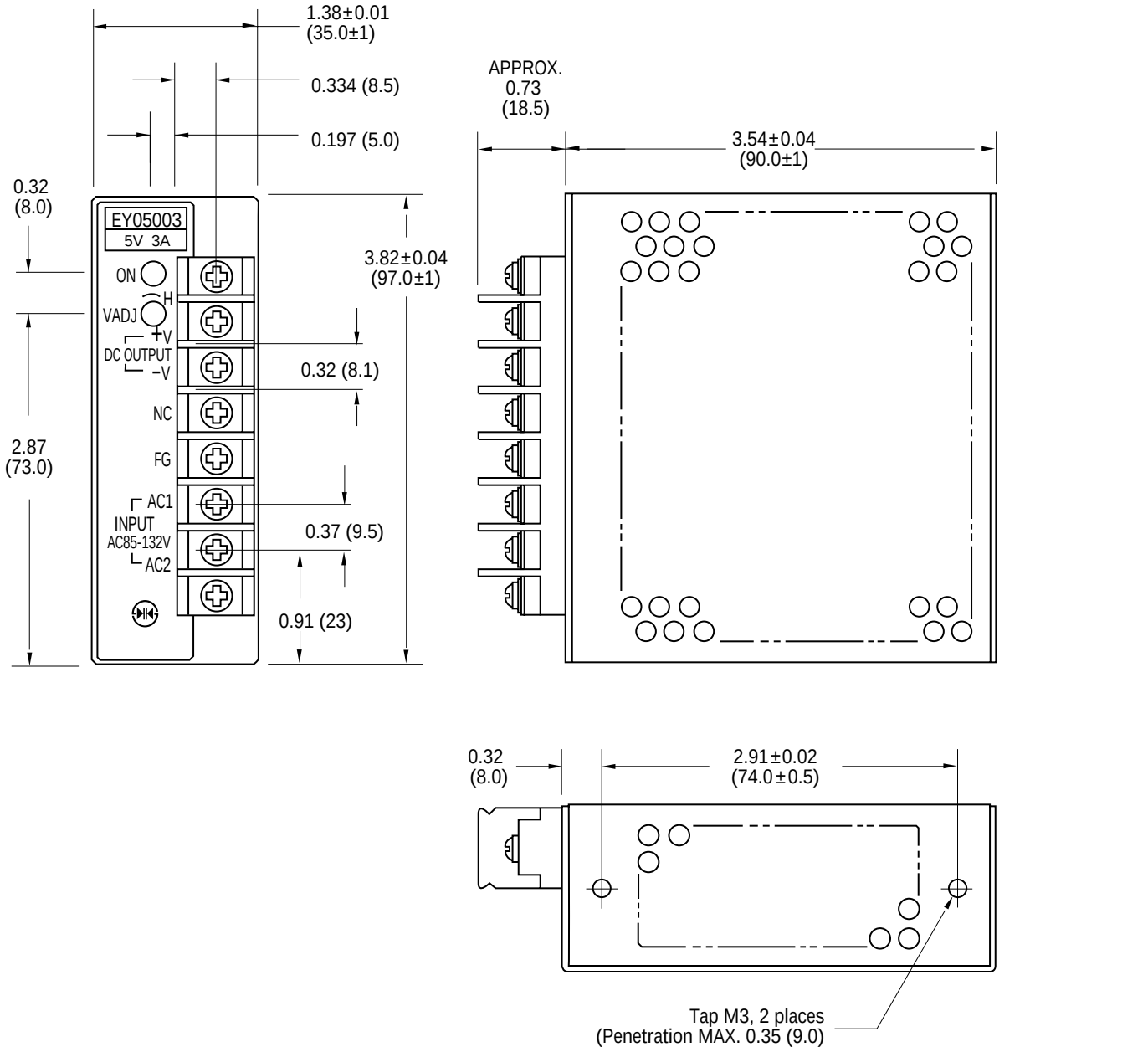
Operating Temp.	0 to +50°C at full load.
Storage Temp.	–25 to +85°C
Operating Humidity	10 - 90%, (non-condensing)
Storage Humidity	10 - 95%, (non-condensing)
Shock	10G
Vibration	2G, 10 - 55 Hz, 0.75 mm amplitude (non-operating)

MODEL SPECIFICATIONS

Model Number	Output Voltage	Output Current	Efficiency
EY05003U	5.0 ± 10%	0-3A	74%
EY091R7U	9.0 ± 10%	0-1.7A	75%
EY121R3U	12.0 ± 10%	0-1.3A	76%
EY15001U	15.0 ± 10%	0-1A	76%
EY240R7U	24.0 ± 10%	0-0.7A	76%

MECHANICAL SPECIFICATIONS

Size (W x D x H)	3.82 x 3.54 x 1.38 inches (97 x 90 x 35 mm)
Weight	0.5 oz (0.24 kg)



Dimensions in inches; ( ) Dimensions in mm.