



### FEATURES

- Continuous wide-range input voltage
- Meets international safety standards
  - UL1950 Recognized
  - CSA C22.2 No. 950 Certified
  - IEC950/EN60950 (TUV Certified)
- CE Mark (LVD)
- Built-in EMI filter (conducted)
  - FCC Part 15 Level B
  - CISPR Pub. 22 Level B
  - VCCI Class B
- Surge immunity to 4kV (Input to Chassis)
- MTBF > 1 million hours

### SPECIFICATIONS

#### INPUT

Voltage 85-264 VAC (continuous)  
(90-264 VAC between -10 to 0°C)  
Frequency 47-63 Hz  
Current

Full Load 120V 0.2 - 0.4 (RMS)  
240V 0.1 - 0.2 (RMS)

Inrush 120V - 20A (TYP)  
240V - 40A (TYP)

#### OUTPUT

Total Regulation ±5.0%  
Ripple & Noise (peak-to-peak) 100mV or 1% (whichever is larger)  
(measured at 25°C with a bandwidth of 100 MHz)  
Hold-up Time 20mS min.  
(measured at nominal input voltage, full load, 25°C)  
Start-up Time 1S (max)

#### PROTECTION

Overvoltage All models are protected against over-voltage. Control circuit is preset so output voltage does not exceed the following values:

Output V	3.3	5.0	12	15	24	48
OVP	4.5	6.9	15.5	19.5	30	60

Overload All models are protected against overload and short circuit. Recovery is automatic after removal of the fault.

#### ISOLATION

Input to Chassis	2000VAC for 1 minute
Input to Output	3000VAC for 1 minute
Output to Chassis	500VAC for 1 minute
Insulation	100MΩ at 500VDC
Leakage Current	0.3mA (max) at 120VAC, 60Hz per UL1950, EN60950
	0.75mA (max) at 254.4VAC, 60Hz per CSA22.2 No. 950
	0.25mA (max) at 100VAC, 60Hz per JIS standard

#### ENVIRONMENT

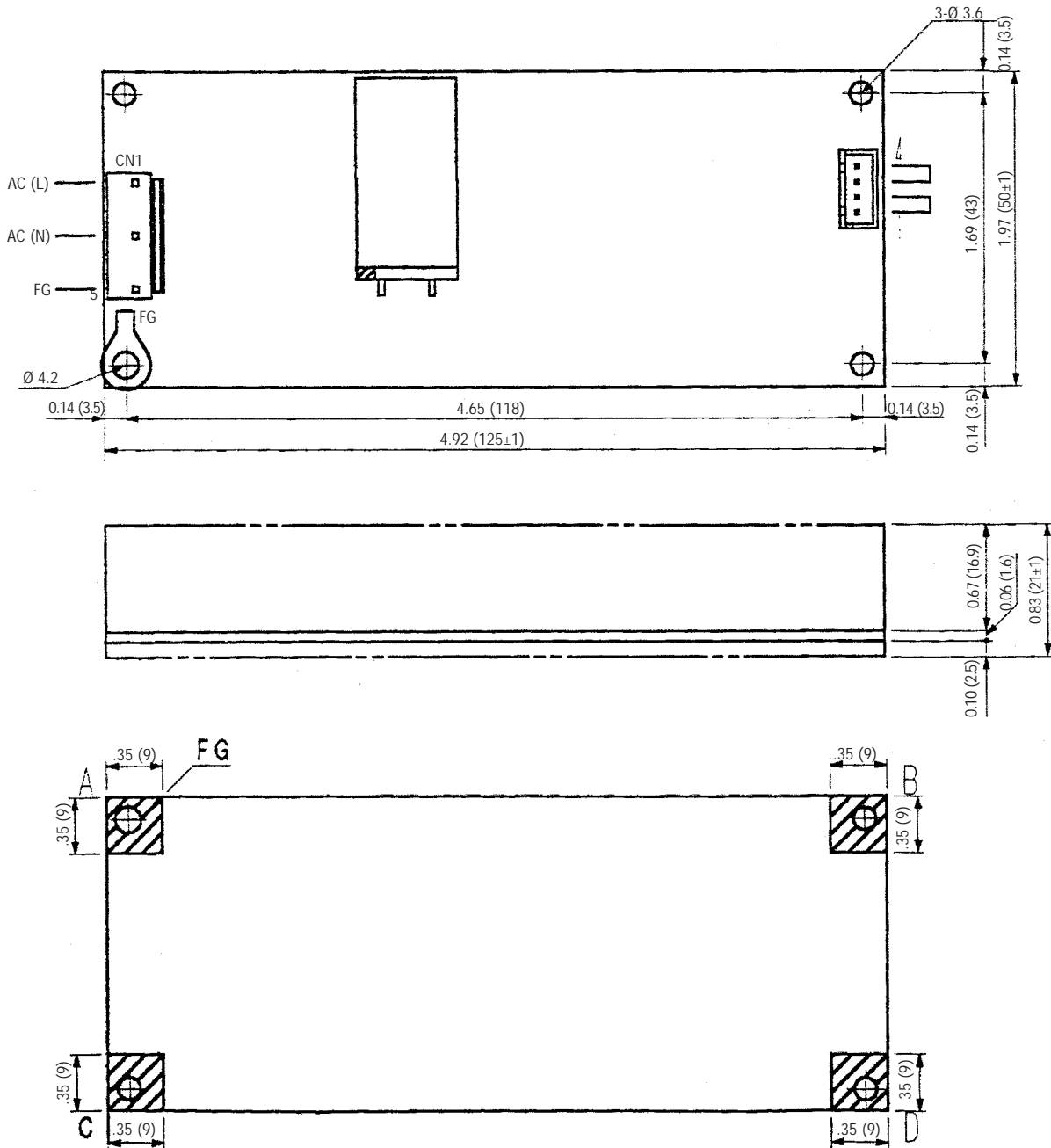
Operating Temp.	-10°C to + 50°C at full load (derated to 50% from 50°C to 60°C)
Operating Humidity	20% - 90% relative humidity (non-condensing)
Storage Temp.	-30°C to + 85°C
Storage Humidity	10% - 95% relative humidity (non-condensing)
Shock	<20G
Vibration	2G, 10 - 55 Hz, 0.75mm amplitude, for 2 hours (non-operating)

#### MODEL SPECIFICATIONS

Model #	Output Voltage (±10%)	Output Current	Efficiency	Power
JY03003G	3.3V	0-3A	74%	9W
JY05003G	5.0V	0-3A	78%	15W
JY121R2G	12.0V	0-1.2A	82%	15W
JY15001G	15.0V	0-1A	84%	15W
JY240R6G	24.0V	0-0.6A	86%	15W
JY480R3G	48.0V	0-0.3A	87%	15W

**MECHANICAL SPECIFICATIONS**

Size (W + D + H) 1.97 x 4.92 x 0.83 inches  
(50 x 125 x 21 mm)



**CONNECTOR DESIGNATIONS**

Input	Pin No.	Function
CN1 B3P5	1	AC(L)
	2	NC
	3	AC(N)
Housing VHR-5N	4	NC
	5	FG
Terminal Pin SVH-21Tk-P1.1		

Output	Pin No.	Function
CN2 B4B-XH-A	1	-V
	2	
Housing XHP-4	3	+V
	4	
Terminal Pin SXH-001T- PO.6 (JST)		

All specifications are subject to change without notice.