

# SPECIFICATION

**Open Frame  
Power Supply  
1.7"W x 3"L x 1"H (44x75x26mm)**

**Universal AC Input  
15W 5VDC Output**

**P/N: N1015UF-05**

\*\*\* Specification Approval \*\*\*

This specification (total 5 pages including cover page) in its entirety is approved by:

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Company Name	Print Name	Signature	Date
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Specification subject to change without prior notice.



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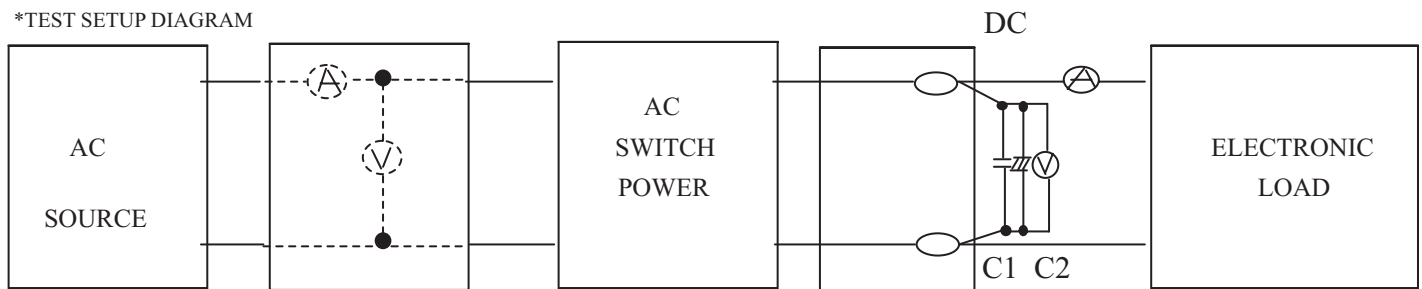
### 1. INPUT

ITEM	SPECIFICATION	MIN	TYPICAL	MAX
AC INPUT VOLTAGE	SINGLE PHASE		100-240Vac	
AC INPUT VOLTAGE RANGE	SINGLE PHASE	90Vac		264Vac
AC INPUT FREQUENCY	SINGLE PHASE	47Hz	50/60Hz	63Hz
AC INPUT CURRENT	TYPICAL INPUT VOLTAGE & OUTPUT AT FULL LOAD		370mA	440mA
AC INRUSH CURRENT	TYPICAL INPUT VOLTAGE & OUTPUT AT FULL LOAD, 25°C			50A
EFFICIENCY	TYPICAL INPUT VOLTAGE & OUTPUT AT FULL LOAD		70%	
LEAKAGE CURRENT	TYPICAL INPUT VOLTAGE & OUTPUT AT FULL LOAD			0.25mA

### 2. OUTPUT

ITEM	SPECIFICATION	MIN	TYPICAL	MAX
NOMINAL DC OUTPUT VOLTAGE			5Vdc	
DC OUTPUT VOLTAGE RANGE	TYPICAL OUTPUT VOLTAGE ±5%	4.75V		5.25V
LOAD CURRENT		0.0A		3A
RIPPLE & NOISE	TYPICAL INPUT VOLTAGE , FULL LOAD CURRENT, 25°C			50mV
HOLD-UP TIME	AT TYPICAL INPUT VOLTAGE AND FULL LOAD, 50Hz	10mS		
TURN-ON DELAY	TYPICAL INPUT VOLTAGE AND FULL LOAD CURRENT			2S
OVER CURRENT PROTECTION	AUTO RECOVERY			
SHORT CIRCUIT PROTECTION	NO DAMAGE SHALL RESULT FROM A CONTINUOUS OR INTERMITTENT SHORT CIRCUIT CONDITION.			
OVER VOLTAGE PROTECTION	AUTO RECOVERY			

\*TEST SETUP DIAGRAM



C1: 0.1µF CERAMIC CAPACITOR

C2: 10µ 50V ALUMINUM CAPACITOR

The bandwidth of oscilloscope is set at 20Mhz.

### 3. MECHANICAL

ITEM	SPECIFICATION	RESULT
VIBRATION	DURATION: 30 MINUTES AMPLITUDE: 0.35mm FREQUENCY RANGE: 10 Hz...55 Hz...10 Hz SWEEP RANGE: APPROXIMATELY 1 OCTAVE / MIN	THERE SHALL BE NO VISIBLE ABNORMALITY STRUCTURALLY OR OPERATIONALLY.

#### 4. RELIABILITY

ITEM	SPECIFICATION	RESULT
HI-POT TEST	BETWEEN INPUT & OUTPUT 3000Vac 60 SECONDS 10mA IT IS BASED ON EN60950 5.2.2 TEST PROCEDURE. FOR MASS PRODUCTION, IT IS TESTED BY 3.3KV/1 SECOND.	NO DAMAGE
INSULATION RESISTANCE	INPUT TO OUTPUT, 500VDC	>100m Ohm
BURN-IN TEST	AT 30°C (±10°C), TYPICAL INPUT VOLTAGE	2 HOURS
IEC61000-4-5 SURGE WITHSTAND	±1KV	NO DAMAGE
IEC61000-4-2 ESD TEST LEVEL2	AIR DISCHARGE ±8KV CONTACT DISCHARGE ±4KV	NO DAMAGE 1 ROUND/SEC ABOVE

#### 5. ENVIRONMENTAL

ITEM	SPECIFICATION	MIN	TYPICAL	MAX
OPERATING TEMPERATURE		0°C		50°C
STORAGE TEMPERATURE		-20°C		65°C
OPERATING HUMIDITY	NON-CONDENSING	5%RH		95%RH
OPERATING HUMIDITY	NON-CONDENSING	5% RH		95%RH

#### 6. PHYSICAL

DIMENSION: 75.2(L)×44.2(W)×26.1(H)mm

WEIGHT: 75g

#### 7. SAFETY

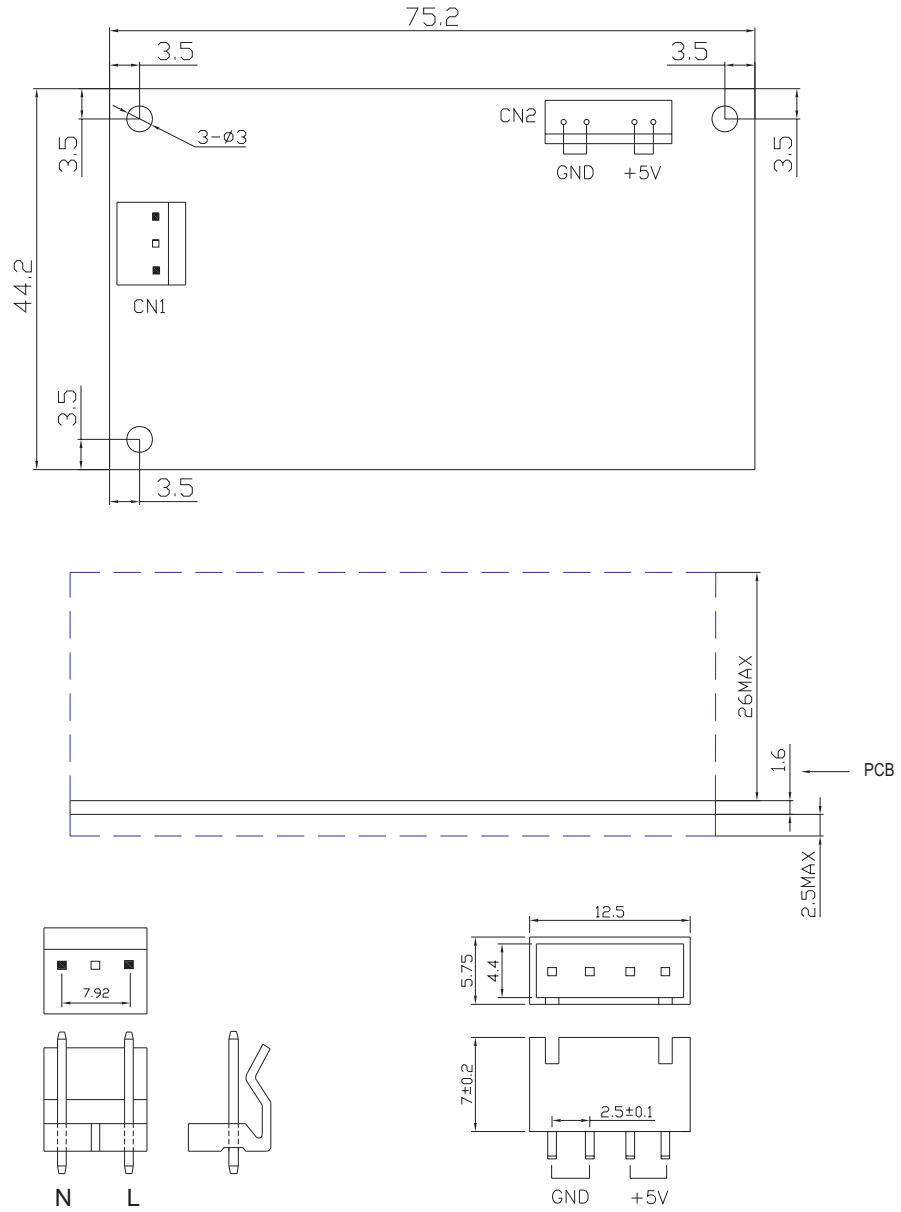
cUL: UL60950-1

#### 8. EMI

VCCI Class B, FCC Class B, CISPR 22 Class B

### 9. DRAWING

TOLERANCE:  $\pm 0.5$   
UNIT: mm



### 10. PACKING

