

ELECTRICAL REQUIREMENTS

1. SCOPE: This specifications is suitable to the transformer of model GF-W4024 designed to EI-57

2. APPLICABLE STANDARDS: UL1585, CSA22.2

3. AGENCY SAFETY: UL/CSA

4. SURFACE, STRUCTURE:

4-1 Surface: Damage, rusting, foam, cracks are not permitted.

4-2 Appearance: Dimensions and express: As attached drawing.

5. ELECTRICAL CHARACTERISTICS:

5-1 Primary rated voltage & line frequency: 120 VAC 60 Hz

5-2 Secondary output ratings:

Input voltage	Output voltage	Rated current	No load voltage
120 VAC 60 Hz	AC 24 V +/- 5%	1660 mA	AC 28.0 V Max

5-3 Exciting current (Io): 100 mA Max. at input 120 VAC 60 Hz without secondary load.

5-4 Primary rated current (Ip): 450 mA Max. at input 120 VAC 60 Hz with output current 1660 mA.

5-5 Ripple voltage: --- mV (RMS) Max. at input --- VAC --- Hz with output current --- mA.

5-6 Dielectric strength: The specified voltage shall be applied to each item as following without breakdown.

(1) Primary to Secondary & Core: 1.24 KV 60 Hz for one minute.

(2) Secondary to Core: 1.24 KV 60 Hz for one minute. Cut-off current: 1 mA Max.

At an alternative potentials, increasing 20% of voltage may be applied for one second in mass production.

5-7 Insulation test: 500 VDC 100 MΩ Min. between input plug and output plug and case.

5-8 Core loss: Input 120 VAC 60 Hz without secondary load, watts loss shall be under 5.0 W.

5-9 Temperature rise: Input 120 VAC 60 Hz with secondary load 1660 mA, shall not exceed 75 deg for primary winding (By resistance method). At ambient temp. 25°C.

6. MECHANICAL CHARACTERISTICS:

6-1 Strain relief test: A pull forces of --- lb to output cord for one minute, results shall be without disconnection of cord or loose of bush is found.

6-2 AC blade pull test: Pull AC blades by --- kg for one minute without pull out from the case.

6-3 Cord bending test: The unit loaded a weight and swung the case to cord from left to right following specifications as below, the cord shall not be disconnected.

Weight	Angle (θ)	Speed	Cycle required
--- g	--- degrees	--- times / minute	--- cycles Min.

6-4 Drop test: Dropping --- times from ---cm onto a wooden board ---cm thickness, and make sure of no electrical hazardous is found, no separateness of enclosure and no internal components are exposed.

7. TEMPERATURE RANGE:

7-1 Normal operating temperature at: -10°C ----- +40°C

7-2 Storage temperature at: -20°C ----- +70°C

7-3 Normal operating humidity at: 30% ----- 85% R.H.

8. NET WEIGHT (APPROX.): 624 g.