File E328847
Project 4787041574

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REPORT

ON

COMPONENT - DRIVERS FOR LIGHT-EMITTING-DIODE ARRAYS, MODULES AND CONTROLLERS

ANTRON ELECTRONICS CO LTD
TAINAN, TAIWAN

DESCRIPTION

PRODUCT COVERED:

USR, CNR - LED Drivers for Light-emitting-diode Arrays, Modules and Controllers, Suitable for Damp Location, Models AC-10CT700ATW , **AC-15CT1.05ATX** , AC-18CT350AGZ , AC-15CT350AFS
AC-18CT500ASX AC-11CT440KRY AC-16CT440KRZ, AC-25CT350AGK, AC 21CT350AFT
AC-25CT500AFS, AC-25CT700AFR AC-15CT700AFV, AC-35CT700APT, (where "x" may be any alphanumeric character, "-"or blank).

Note: USR – United States Standard, Recognized
CNR – Canadian Standard, Recognized

ELECTRICAL RATINGS:

Model No.	Input Voltage (Vac)	Input Freq (HZ)	Input Current (A)	Max Output Voltage (Vdc)	Max Output Current (mA)	Max Output Watt (W)	Driver Type
AC-10CT700ATW	120	50/60	0.10	14	700	10	--
AC-15CT1.05ATX	120	50/60	0.16	14	1050	15	--
AC-18CT350AGZ AC-15CT350AFS	120	50/60	0.18	45	350	16	--
AC-18CT500ASX AC-11CT440KRY AC-16CT440KRZ	120	50/60	0.18	36	500	18	--
AC-25CT350AGK AC 21CT350AFT	120	50/60	0.25	71	350	25	--
AC-25CT500AFS	120	50/60	0.26	50	500	25	--
AC-25CT700AFR AC-15CT700AFV	120	50/60	0.26	35	700	25	--
AC-35CT700APT	120	50/60	0.35	50	700	35	--

TECHNICAL CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

Special Considerations - The following items are considerations that were used when evaluating this product.

Use – For use only in (or with) complete equipment where the acceptability of the combination is determined by UL LLC.

USR – Indicates investigation to the United States requirements for the Light Emitting Diode Equipment for Use in Lighting Products, UL 8750, 1st Edition; and the Standard for Class 2 Power Units, UL 1310, 6th Edition.

CNR - Indicates investigation to the Canadian Standard for Power Supplies with Extra-Low-Voltage Class 2 Outputs, CAN/CSA-C22.2 No. 223-M91, 2nd Edition; and the Canadian Standard for Light emitting diode (LED) equipment for lighting applications, CAN/CSA-C22.2 No. 250.13-14, 2nd Edition.

CN – Either the Canadian Standards Association Certification or Component Acceptance Mark or the UL Listing or UL Recognition Mark for Canada.

PWB spacings have been evaluated in accordance with Table 7.5 of UL 8750 and CSA C22.2 No. 250.13-14, Clause 8.7.5, Table 5.

The descriptions of certain components in this Report contain the notation "CN". "CN" indicates that the component has been evaluated to Canadian requirements. Whenever "CN" appears, the Field Representative shall confirm that the component has a CSA Certification Mark or an equivalent identifier or a Canadian UL Listing or Recognition Mark if the product described in this Report bears the UL's Classification Mark for Canada.

Condition of Acceptability - When installed in the end use equipment, the following are among the considerations to be made:

1. The LED drivers have been evaluated using resistive load resulting in output currents, which are equal to each output rated current. The need for repeating tests related to heating and the Isolated Class 2 output shall be considered in the end product if the loads used result in the current exceeding the rated marked current.

2. The LED drivers have been tested at 75°C ambient. Acceptable operation at a higher temperature should be determined in end products.

3. The units are intended for factory installation only.

4. The suitability of enclosure shall be determined in the end-use product.

5. All Models are intended for using in damp location, other uses shall be considered in the end products.

6. Models AC-10CT700ATW, **AC-15CT1.05ATX**, AC-18CT350AGZ AC-15CT350AFS, AC-18CT500ASX, AC-11CT440KRY AC-16CT440KRZ, AC-25CT500AFS, AC-25CT700AFR, AC-15CT700AFV, and AC-35CT700APT are provided with Class 2 output complies with UL 1310 and CSA C22.2, No.223.

7. These LED drivers are provided with isolated output.

8. These products were tested while connected to a 20 A branch circuit.

9. The drivers shall be installed in compliance with the enclosure, mounting, spacing, casualty, and segregation requirements of the end product application.

10. The suitability of input and output leads shall be determined in end product.