

## DESCRIPTION

## PRODUCT COVERED:

USR/CNR - DC/DC Converter, Models Models ECXCYY, EC5CAA-5.1V, EC6CBB-5.1V, where X can be 5 or 6, Y can be 0-9 or blank, AA can be 01, 04, 07, 08, 11, 14, 17, 18 or blank, BB can be 01, 04, 07, 08, 11, 14, 17, 18, 21, 24, 27, 28 or blank.

## ELECTRICAL RATING:

Model	Input (dc)		Output (dc)	
	V	mA	V	mA
EC5C01	9-36	3000	+5	3000
EC5C01-5.1V			+5.1	2490
EC5C02	9-36	3000	+12	1250
EC5C03	9-36	3000	+15	1000
EC5C04	9-36	3000	+5	1500
			-5	1500
EC5C04-5.1V			+5.1	1470
			-5.1	1470
EC5C05	9-36	3000	+12	625
			-12	625
EC5C06	9-36	3000	+15	500
			-15	500
EC5C07	9-36	3000	+5	1500
			+12	310
			-12	310
EC5C07-5.1V			5.1	1470
			+12	310
			-12	310
EC5C08	9-36	3000	+5	1500
			+15	250
			-15	250
EC5C08-5.1V			5.1	1470
			+15	250
			-15	250
EC5C09	9-36	3000	+3.3	3000
EC5C11	18-72	1160	+5	3000
EC5C11-5.1V			+5.1	2490
EC5C12	18-72	1160	+12	1250
EC5C13	18-72	1160	+15	1000
EC5C14	18-72	1160	+5	1500
			-5	1500
EC5C14-5.1V			+5.1	1470
			-5.1	1470

## ELECTRIC RATING: (CONTINUED)

Model	Input (dc)		Output (dc)	
	V	mA	V	MA
EC5C15	18-72	1160	+12	625
			-12	625
EC5C16	18-72	1160	+15	500
			-15	500
EC5C17	18-72	1160	+5	1500
			+12	310
			-12	310
EC5C17-5.1V			5.1	1470
			+12	310
			-12	310
EC5C18	18-72	1160	+5	1500
			+15	250
			-15	250
EC5C18-5.1V			5.1	1470
			+15	250
			-15	250
EC5C19	18-72	1160	+3.3	3000
EC6C01	9-18	4500	+5	5000
EC6C01-5.1V			5.1	4900
EC6C02	9-18	4500	+12	2500
EC6C03	9-18	4500	+15	2000
EC6C04	9-18	4500	+5	2500
			-5	2500
EC6C04-5.1V			+5.1	2450
			-5.1	2450
EC6C05	9-18	4500	+12	1250
			-12	1250
EC6C06	9-18	4500	+15	1000
			-15	1000
EC6C07	9-18	4500	+5	3500
			+12	310
			-12	310
EC6C07-5.1V			5.1	2450
			+12	2450
			-12	3430
EC6C08	9-18	4500	+5	3500
			+15	250
			-15	250
EC6C08-5.1V			5.1	3430
			+15	250
			-15	250
EC6C09	9-18	4500	+3.3	5000
EC6C11	18-36	2330	+5	5000
EC6C11-5.1V			5.1	4900

## ELECTRIC RATING: (CONTINUED)

Model	Input (dc)		Output (dc)	
	V	mA	V	Ma
EC5C15	18-72	1160	+12	625
			-12	625
EC5C16	18-72	1160	+15	500
			-15	500
EC5C17	18-72	1160	+5	1500
			+12	310
EC6C17-5.1V			5.1	3430
			+12	310
			-12	310
EC6C18	18-36	2330	+5	3500
			+15	250
			-15	250
EC6C18-5.1V			5.1	3430
			+15	250
			-15	250
EC6C19	18-36	2330	+3.3	5000
EC6C21	36-72	1000	+5	5000
EC6C21-5.1V			5.1	4900
EC6C22	36-72	1000	+12	2500
EC6C23	36-72	1000	+15	2000
EC6C24	36-72	1000	+5	2500
			-5	2500
EC6C24-5.1V			+5.1	2450
			-5.1	2450
EC6C25	36-72	1000	+12	1250
			-12	1250
EC6C26	36-72	1000	+15	1000
			-15	1000
EC6C27	36-72	1000	+5	3500
			+12	310
			-12	310
EC6C27-5.1V			5.1	3430
			+12	310
			-12	310
EC6C28	36-72	1000	+5	3500
			+15	250
			-15	250
EC6C28-5.1V			5.1	3430
			+15	250
			-15	250
EC6C29	36-72	1000	+3.3	5000
<b>EC6C12</b>	<b>18-36</b>	<b>2330</b>	<b>+12</b>	<b>2500</b>
<b>EC6C13</b>	<b>18-36</b>	<b>2330</b>	<b>+15</b>	<b>2000</b>
<b>EC6C14</b>	<b>18-36</b>	<b>2330</b>	<b>+5</b>	<b>2500</b>
			<b>-5</b>	<b>2500</b>
<b>EC6C15</b>	<b>18-36</b>	<b>2330</b>	<b>+12</b>	<b>1250</b>

## ELECTRIC RATING: (CONTINUED)

Model	Input (dc)		Output (dc)	
	V	mA	V	mA
EC6C16	18-36	2330	-12	1250
			+15	1000
			-15	1000
EC6C17	18-36	2330	+5	3500
			+12	310
			-12	310

## ENGINEERING CONSIDERATIONS (NOT FOR REPRESENTATIVE'S USE):

Use - For use only in complete equipment where the acceptability of the combination is determined by Underwriters Laboratories Inc.

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

USR/CNR indicates investigation to the U.S. and Canadian (Bi-National) Standard for Safety of Information Technology Equipment, **CAN/CSA-C22.2 No. 60950-1-03 \* UL60950-1, First Edition, including revisions through revision dated November 26, 2003.**

The component was submitted and tested for a maximum manufacturer's recommended ambient (Tmra) of 71°C.

Insulation considered between Transformer (T1) of the converter is operational insulation only.

The component is for building-in.

Conditions of Acceptability - When installed in the end product, consideration shall be given to the following:

1. \*This component has been judged on the basis of the required spacings in the Standard for Safety of Information Technology Equipment, Including Electrical Business Equipment, CAN/CSA-C22.2 No. **60950-1-03 \* UL 60950-1, First Edition, including revisions through revision dated November 26, 2003**, which would cover the component itself if submitted for Listing.
2. The product is not intend for connection to Centralized DC power system.
3. The terminals are suitable for factory wiring only.
4. The equipment has been evaluated for use in a Pollution Degree 2 environment.
5. All secondary output circuits are not hazardous energy levels.
6. The unit shall be connected to secondary circuit.
7. All secondary output circuits are SELV only if circuits meets the limits of Sub-Clause 2.3.3 in the event of a single failure of any component and insulation of the secondary circuit to which it is connected.
8. A suitable Mechanical enclosure shall be provided.
9. The products were tested on a 5 A power circuit. If used on a greater source than this, additional testing maybe necessary.