

## DESCRIPTION

## PRODUCT COVERED:

USR, CNR - Component, Appliance Filters, Models FMAC-0924-0610, FMAC-0931-0810, FMAC-0931-1610, FMAC-0932-1610, FMAC-0932-2510, FMAC-0934-3610, FMAC-0934-5010, FMAC-0953-6410, FMAC-0937-8010, FMAC-0954-H110.

## GENERAL:

These devices are EMI filters intended for incorporation in appliances. They are housed in a metal housing and incorporate with terminals for factory wiring.

**ELECTRICAL RATINGS:**

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*MODEL NO.	VOLTS Vac	CURRENT A	PHASES	POWER VA	FREQUENCY HZ	COLD-MAXIMUM AMBIENT TEMPERATURE °C
*FMAC-0924-0610	480/277	6	3	2880	50/60	0 - 40
		<b>6</b>		<b>2880</b>		0 - 75
*FMAC-0931-0810	480/277	8	3	3840	50/60	0 - 40
		<b>5</b>		<b>2400</b>		0 - 75
*FMAC-0931-1610	480/277	16	3	7680	50/60	0 - 40
		<b>10</b>		<b>4800</b>		0 - 75
*FMAC-0932-1610	480/277	16	3	7680	50/60	0 - 40
		<b>10</b>		<b>4800</b>		0 - 75
*FMAC-0932-2510	480/277	25	3	12000	50/60	0 - 40
		<b>15</b>		<b>7200</b>		0 - 75
*FMAC-0934-3610	480/277	36	3	17280	50/60	0 - 40
		<b>20</b>		<b>9600</b>		0 - 75
*FMAC-0934-5010	480/277	50	3	24000	50/60	0 - 40
		<b>32</b>		<b>15360</b>		0 - 75
*FMAC-0953-6410	480/277	64	3	30720	50/60	0 - 40
		<b>37</b>		<b>17760</b>		0 - 75
*FMAC-0937-8010	480/277	80	3	38400	50/60	0 - 40
		<b>45</b>		<b>21600</b>		0 - 75
*FMAC-0954-H110	480/277	110	3	52800	50/60	0 - 40
		<b>70</b>		<b>33600</b>		0 - 75

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## ENGINEERING CONSIDERATIONS:

**USR indicates the filters have been evaluated to the Standard for Electromagnetic Interference Filters, UL 1283, Sixth Edition.**

**CNR indicates investigation to the requirements of the Canadian Standard for Electromagnetic Interference (EMI) Filters, CSA C22.2 No. 8-13, Fifth Edition.**

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## CONDITIONS OF ACCEPTABILITY:

**General - The components covered by this Report are Component Appliance Filters intended to be used in the end-use product where the acceptability of the combination with the end-use product has been determined by UL LLC.**

**The following items should be considered in the end use product engineering evaluation.**

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1. The filter shall be installed within an overall enclosure suitable for the end product application.
2. The filter shall be installed in compliance with the mounting, terminal, spacing and segregation of the end application.
3. Leakage current measurements were conducted for reference only and exceeded 5 mA. The leakage current in the end application shall be considered.
4. Spacings between terminals and dead metal parts should comply with the end product requirements.
5. The terminals have not been evaluated for field wiring. The acceptability of the grounding terminal should be determined in the end-product.
6. The filters have been evaluated for use in 480/277 V ac WYE systems where the phase-to-neutral and phase-to-ground voltage does not exceed 277 V, and L-L voltage does not exceed 480 V.
7. **The components were submitted and evaluated at a maximum manufacturer's recommended ambient as indicated in the Electrical Ratings Table. The need for additional testing if these devices are used above this rating shall be considered in the end-use application.**

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8. The Abnormal Operation/Limited Short Circuit Test (UL 1283, Cl. 32; CSA C22.2 No. 8, Cl. 6.14) was performed on the following models using a short circuit current and fuse rating as indicated below. The devices are suitable for use on a circuit capable of delivering not more than the specified rms symmetrical amperes when used with the fuse ratings indicated.

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*Model	Represented Models	Available Short circuit Current Rating (Amps, rms)	Fuse rating, A
FMAC-0924-0610	<b>FMAC-0924-0610</b>	5000	<b>15</b>
FMAC-0931-1610	<b>FMAC-0931-0810</b> <b>FMAC-0931-1610</b>	5000	<b>20</b>
FMAC-0934-5010	<b>FMAC-0932-2510</b> <b>FMAC-0934-3610</b> <b>FMAC-0934-5010</b>	5000	<b>60</b>
FMAC-0954-H110	<b>FMAC-0953-6410</b> <b>FMAC-0937-8010</b> <b>FMAC-0954-H110</b>	5000	<b>135</b>