

D E S C R I P T I O N

PRODUCT COVERED:

USR, CNR Component - Appliance Filters Cat. Nos. 5200 and 5220.
Refer to Nomenclature Breakdown for type designations.

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 RATING:

Model No.	Voltage (V ac)	Current (A)	Number of Phases	Frequency (Hz)	Maximum Ambient Temperature (°C)
5200 Series	125/250	1, 2, 4, 6, 8, 10	1	50/60	40
5220	125/250	1, 2, 4, 6, 8, 10	1	50/60	40

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NOMENCLATURE:**Type Code and Description for 5200 or 5220 Series Filters****Example:**

P/N	5220	-	7	1	1	-	1	1	1	0	-	00
No.	I		II	III	IV		V	VI	VII	VIII		IX

No.	P/N Character Position	Mark	Description
I	1-4	5520	Model Number Type Designation: 5200
II	5	-7	Current Rating, in Ampere: 1 = 1 A 2 = 2 A 4 = 4 A 5 = 6 A 6 = 8 A 7 = 10 A
III	6	1	Mounting: 1 = Scew Mounting 2 = Snap-in Mounting
IV	7	1	Terminals: 1 = Quick Connect 6.3 x 0.8 mm
V	8	-1	X-Capacitor: 1 = X1, 47 nF 2 = X2, 47 nF 3 = X1, 100 nF 4 = X2, 100 nF
VI	9	1	Y-Capacitor: 0 = without Y-Capacitor 1 = Y1, 0.47 nF 2 = Y2, 0.47 nF 3 = Y1, 2.2 nF 4 = Y2, 2.2 nF
VII	10	1	Bleeder Resistor: 0 = Without Resistor 1 = 1.0 M Ω
VIII	11	0	Choke: (Not provided on 5200 Series) 0 = Standard 1 = 4 mH
IX	12-13	-00	Customer Specific (Optional)

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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.

CONDITIONS OF ACCEPTABILITY:

*For use only in complete equipment where the acceptability of the combination has been determined by UL LLC. The following items should be evaluated to determine the acceptability for use in the end product.

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 did not exceed 0.5mA. 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. Fuses must be evaluated in the end use application. They are not covered by this report.
7. The components were submitted and evaluated at a maximum manufacturer's recommended ambient as indicated in the Electrical Ratings Table. Suitability of the filter to operate in ambients other than those specified, needs to be determined in the end-use application. The case temperature shall be measured and the suitability determined in the end use application.
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.

Model	Represented Models	Test Current, A	Fuse rating, A
*5520-2400-00	5200 and 5220 Series	2000	20