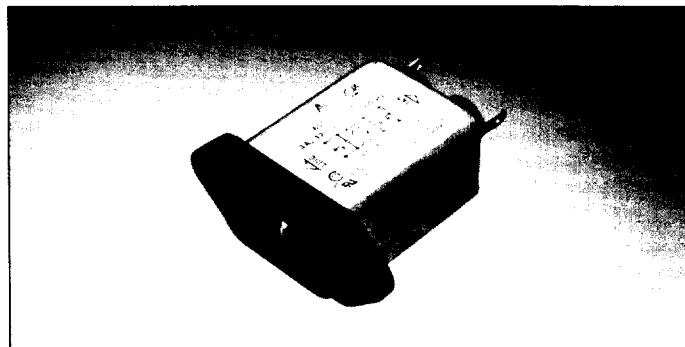


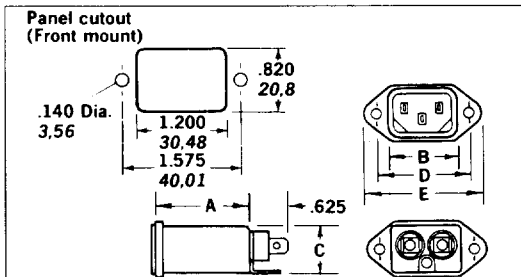


# GEN2 Series - General Purpose 2

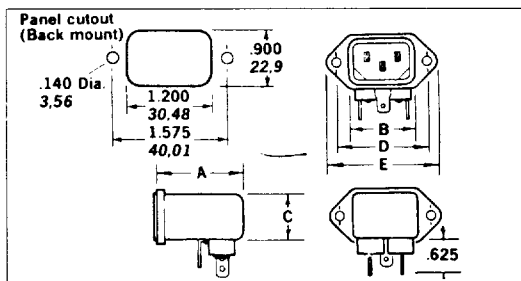
The **General Purpose 2 EMI Power Line Filters** are an alternately packaged version of the General Purpose 1 Filters offering an IEC power line connector for direct plug-in capability. The General Purpose 2 EMI Filters comply with VDE, IEC and other international safety regulatory agency code requirements, and are built to meet the standards of U.L., CSA and VDE. Like the General Purpose 1 EMI Filters, these filters are particularly well suited for application where pulsed, continuous, and intermittent EMI interferences are present. They are designed and built to meet or exceed various safety agency standards and requirements and are U.L. recognized, CSA certified, and VDE approved.



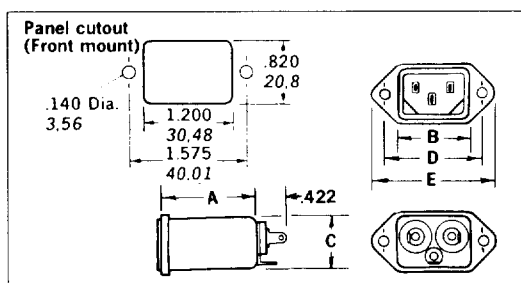
## ELECTRICAL SCHEMATIC



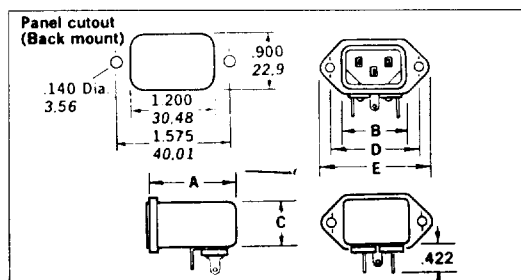
CASE STYLE 21



CASE STYLE 22



CASE STYLE 23



CASE STYLE 24

## OPERATING SPECIFICATIONS

Rated Voltage: 120/250 VAC  
 Rated Frequency: 50/60 Hz  
 Rated Current: 1, 3, 6 Amps  
 Rated Temperature: 40°C @ Rated Current

## PERFORMANCE SPECIFICATIONS

Hi Pot Test (one minute)  
 Line-to-ground 2250 VDC  
 Line-to-line 1768 VDC  
 Insulation resistance:  
 6000 Megohms @ 100 VDC

INSERTION CODE	CURRENT AMPS	MINIMUM INSERTION LOSS IN dB: Line-To-Ground in 50 ohm circuit					
		FREQUENCY IN MHz					
		.15	.50	1.0	5.0	10	30
A	1	22	35	41	48	50	52
B	3	15	25	30	46	50	55
C	6	10	21	27	44	48	52

## MECHANICAL SPECIFICATIONS

Faston terminals are 0.250 x .032 with 0.070 dia. hole. (Case styles 21 & 22)  
 Mounting holes are .132 (3.35) dia.  
 Solder lugs are .160 x .032 with .078 dia. holes. (Case styles 23 & 24)

AEROVOX PART NUMBER	CAPACITY AMPS	LEAKAGE CURRENT MAX.		INSERTION LOSS CODE	CASE STYLE
		120V 60Hz	250V 50Hz		
A01GEN2D21	1.0	0.25 mA	0.50 mA	A	21
A01GEN2D22	1.0	0.25 mA	0.50 mA	A	22
A01GEN1D23	1.0	0.25 mA	0.50 mA	A	23
A01GEN2D24	1.0	0.25 mA	0.50 mA	A	24
A03GEN2D21	3.0	0.25 mA	0.50 mA	B	21
A03GEN2D22	3.0	0.25 mA	0.50 mA	B	22
A03GEN2D23	3.0	0.25 mA	0.50 mA	B	23
A03GEN2D24	3.0	0.25 mA	0.50 mA	B	24
A06GEN2D21	6.0	0.25 mA	0.50 mA	C	21
A06GEN2D22	6.0	0.25 mA	0.50 mA	C	22
A06GEN2D23	6.0	0.25 mA	0.50 mA	C	23
A06GEN2D24	6.0	0.25 mA	0.50 mA	C	24

**Note:** GEN2 Series is also available with U.L. 1414-recognized capacitors for applications requiring U.L. 1409 compliance.

## OUTLINE DIMENSIONS (inches/mm)

CURRENT RATING	CASE STYLE	A	B	C	D	E
1, 3, 6	21 & 23	1.55/39.4	1.16/29.5	0.79/20.0	1.58/40.0	1.97/50.0
1, 3, 6	22 & 24	1.55/39.4	1.16/29.5	0.83/21.1	1.58/40.0	1.97/50.0