

ECN#	APP'D./DATE	REV.
10897	TAM 10/10/94	0

SEFM45C

**SAFETY ORGANIZATION(S):**

THIS FILTER HAS BEEN FORMALLY RECOGNIZED, CERTIFIED OR APPROVED BY THE LISTED AGENCY. THEREFORE, ALL TEST/REQUIREMENTS SPECIFIED IN THE LATEST REVISION OF THE FOLLOWING AGENCY STANDARDS HAVE BEEN MET.

UL RECOGNIZED	UL 1283
CSA CERTIFIED	CSA 22.2, NO.0,0.4,8
VDE APPROVED	VDE 565-3, 625

**OPERATING SPECIFICATIONS:**

LINE VOLTAGE/CURRENT:	5 AMP., 120 VAC
	4 AMP., 250 VAC
	4 AMP./40°C, 250 VAC
LINE FREQUENCY:	50-60Hz
MAX. LEAKAGE CURRENT, EACH LINE TO GROUND	.25mA AT 120V 60Hz
	.42mA AT 250V 50Hz
OPERATING AMBIENT TEMP. RANGE:	-10°C TO +40°C @ RATED CURRENT, I

IN AN AMBIENT,  $T_a$ , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT,  $I_o$ , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{95 - T_a}{45}}$$

**RELIABILITY SPECIFICATIONS:**

STORAGE TEMPERATURE:	-40°C TO +85°C
HUMIDITY:	21 DAYS @ 40°C 95% RH
CURRENT OVERLOAD TEST:	6 TIMES RATED CURRENT FOR 8 SECONDS

**TEST SPECIFICATIONS:**

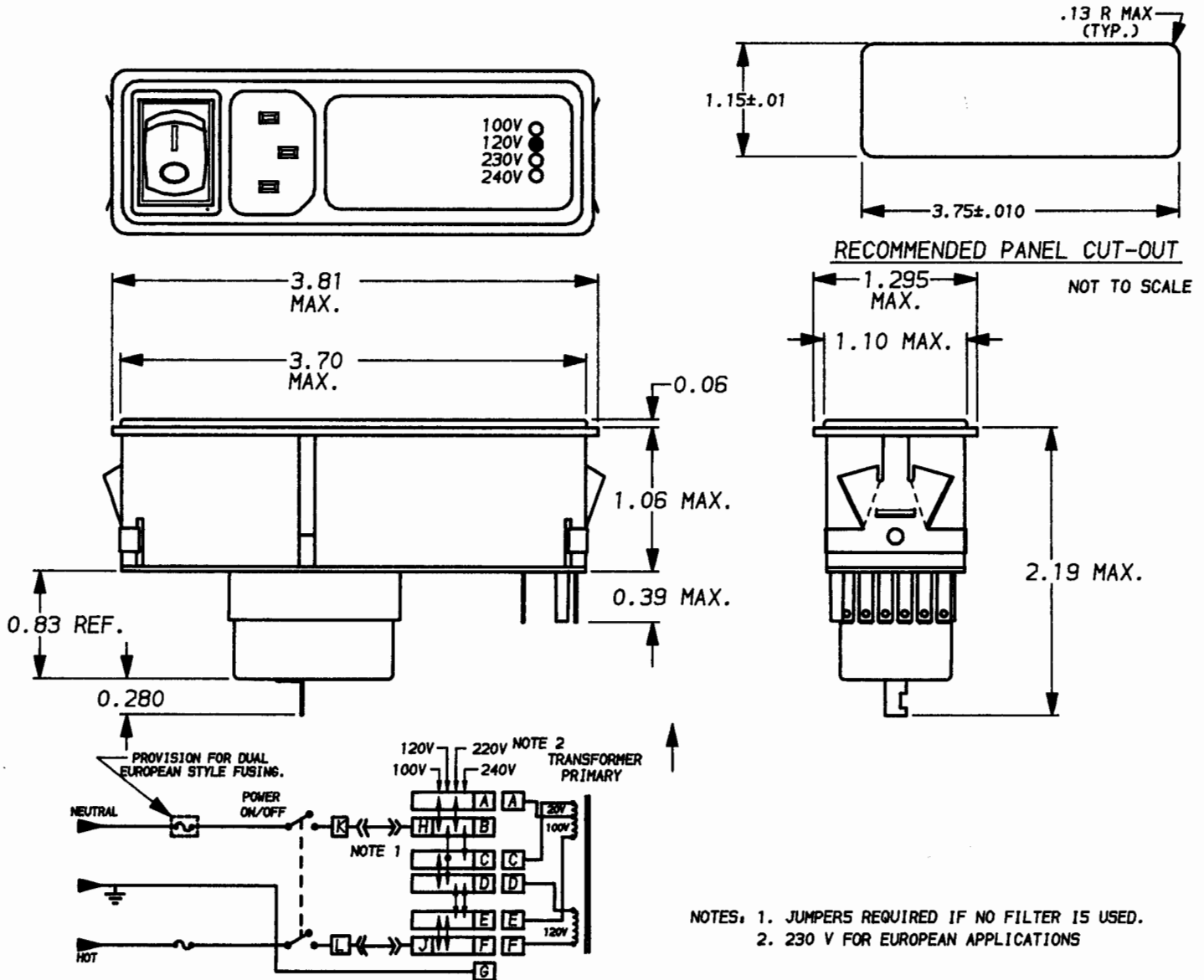
INDUCTANCE:	.93mH NOMINAL
CAPACITANCE:	(MEASURED AT 1 KHz, 0.25 VAC MAX., 25°C ±1°C)
LINE TO LINE:	.009µF ±20%
LINE TO GROUND:	.005µF ±20%
DISCHARGE RESISTOR:	1.5 MΩ
LINE/GROUND AND LINE/LINE	6000 MΩ (MIN)
INSULATION RESISTANCE (W/O DISCHARGE RESISTOR)	AT 100 VDC 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINES TO GROUND:	1500 VAC FOR 1 MINUTE
LINE TO LINE:	1450 VDC FOR 1 MINUTE

**FILTER APPROVAL:**

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.



NOTES: 1. JUMPERS REQUIRED IF NO FILTER IS USED.  
2. 230 V FOR EUROPEAN APPLICATIONS

50Ω - 50Ω (MINIMUM) INSERTION LOSS								
FREQUENCY MHz	.15	.50	1.0	2.0	5.0	10	20	30
COMMON dB	14	21	26	33	40	45	50	40
DIFF. dB								

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED  
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**corcom**  
LIBERTYVILLE, IL 60048

**POWER LINE FILTER**

DATE: 4-18-94 CATALOG NO. REV.  
APPROV. SEFM45C.00