

# 3ER7 & 3ER7M

## 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  
CSA CERTIFIED  
VDE APPROVED  
SEV APPROVED

UL 1283  
CSA 22.2, NO.0, 0.4, 8  
VDE 565-3  
SEV 1055/TP1977/5.1.1

## OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT: 3 AMP, 120/250 VAC  
3 AMP, 40°C, 250 VAC

LINE FREQUENCY, 50-60Hz

MAX. LEAKAGE CURRENT, EACH: .25 mA AT 120V 60Hz  
LINE TO GROUND: .40 mA at 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

LTR	REVISION RECORD	DWN	CHK	DATE
F1	ECO-09-026495	KK	AEG	11DEC09

## 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: 3.52 mH NOMINAL  
CAPACITANCE (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)  
LINE TO GROUND: .005 µF ±20%  
LINE TO LINE: .301 µF ±20%  
DISCHARGE RESISTOR: 680KΩ

LINE/GROUND AND LINE/LINE: 6000MΩ (MIN) AT 100VDC  
INSULATION RESISTANCE: 20°C AND 50% RH

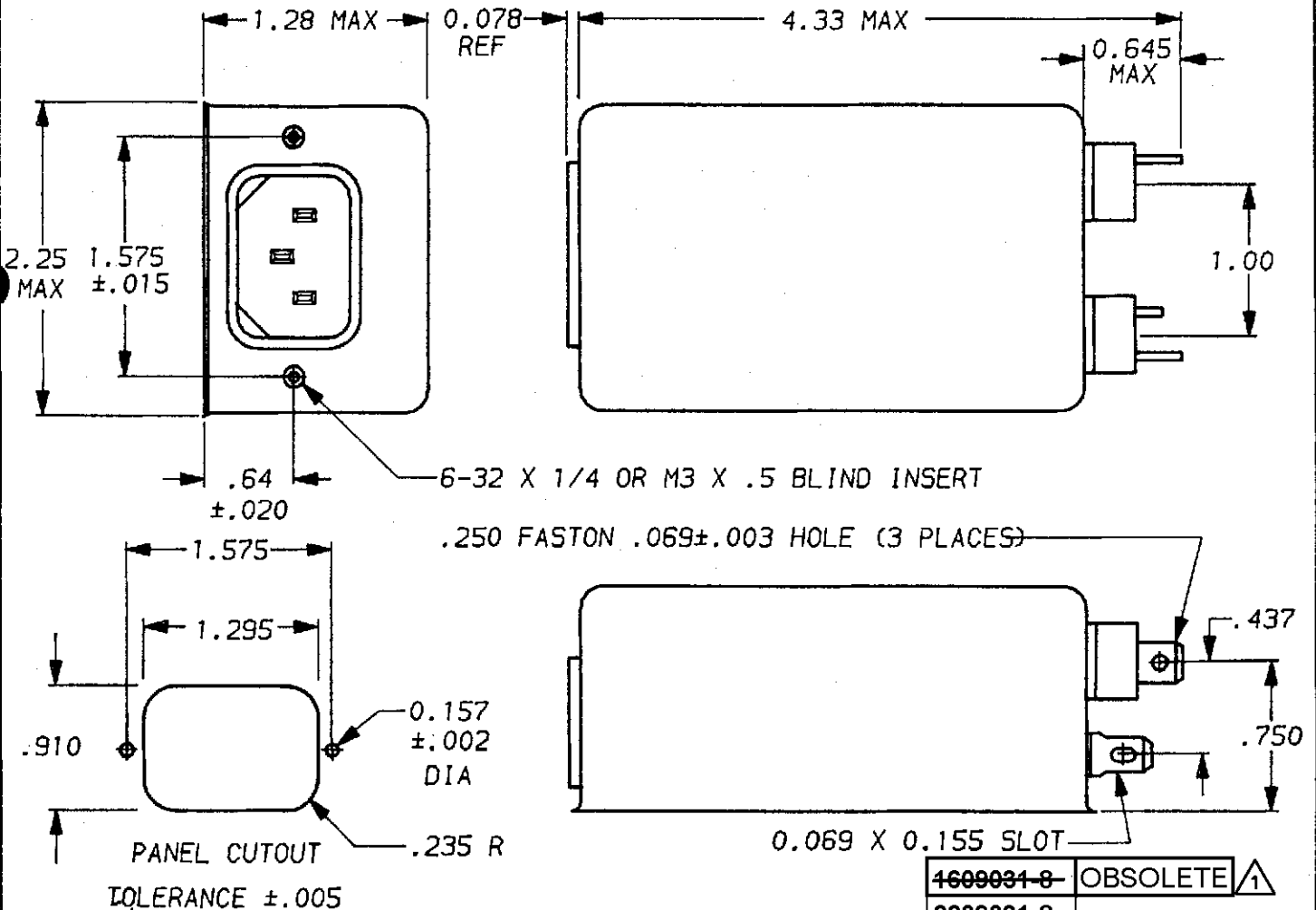
## RECOMMENDED RECEIVING INSPECTION HI POT:

LINE TO GROUND: 2250 VDC 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.

**1** OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI



<del>4609031-8</del>	OBSOLETE <b>1</b>
6609031-8	
<del>4609031-7</del>	OBSOLETE <b>1</b>
6609031-7	



## 50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.15	.3	.5	1	2	5	10	20	30	/	/	/
COMMON dB	25	45	60	65	65	65	65	65	65	/	/	/
DIFF. dB	2	5	45	65	65	65	60	54	50	/	/	/

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025

MATERIAL & FINISH: AS SUPPLIED

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POWER LINE FILTER

DATE: 9-27-93 CATALOG NO. 3ER7 & 3ER7M  
APPROV. [Signature] CAD NO. 3ER7.06