

**SAFETY ORGANIZATIONS**

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, # 8  
 VDE APPROVED: EN 133200

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 5 AMP/40°C, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 0.21mA @ 120V, 60Hz  
 0.36mA @ 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:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

**RELIABILITY SPECIFICATIONS:**

STORAGE TEMPERATURE: -40°C TO +85°C  
 HUMIDITY: 21 DAYS @ 40°C 95% RH.  
 CURRENT OVERLOAD TEST: 6 TIMES I<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

INDUCTANCE: 0.516mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1kHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.0056µF ±20%  
 LINE TO LINE: 0.201µF ±20%  
 DISCHARGE RESISTOR: 1.5MΩ  
 L/G AND L/L I.R.: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH  
 NO DISCHARGE RESISTOR:

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

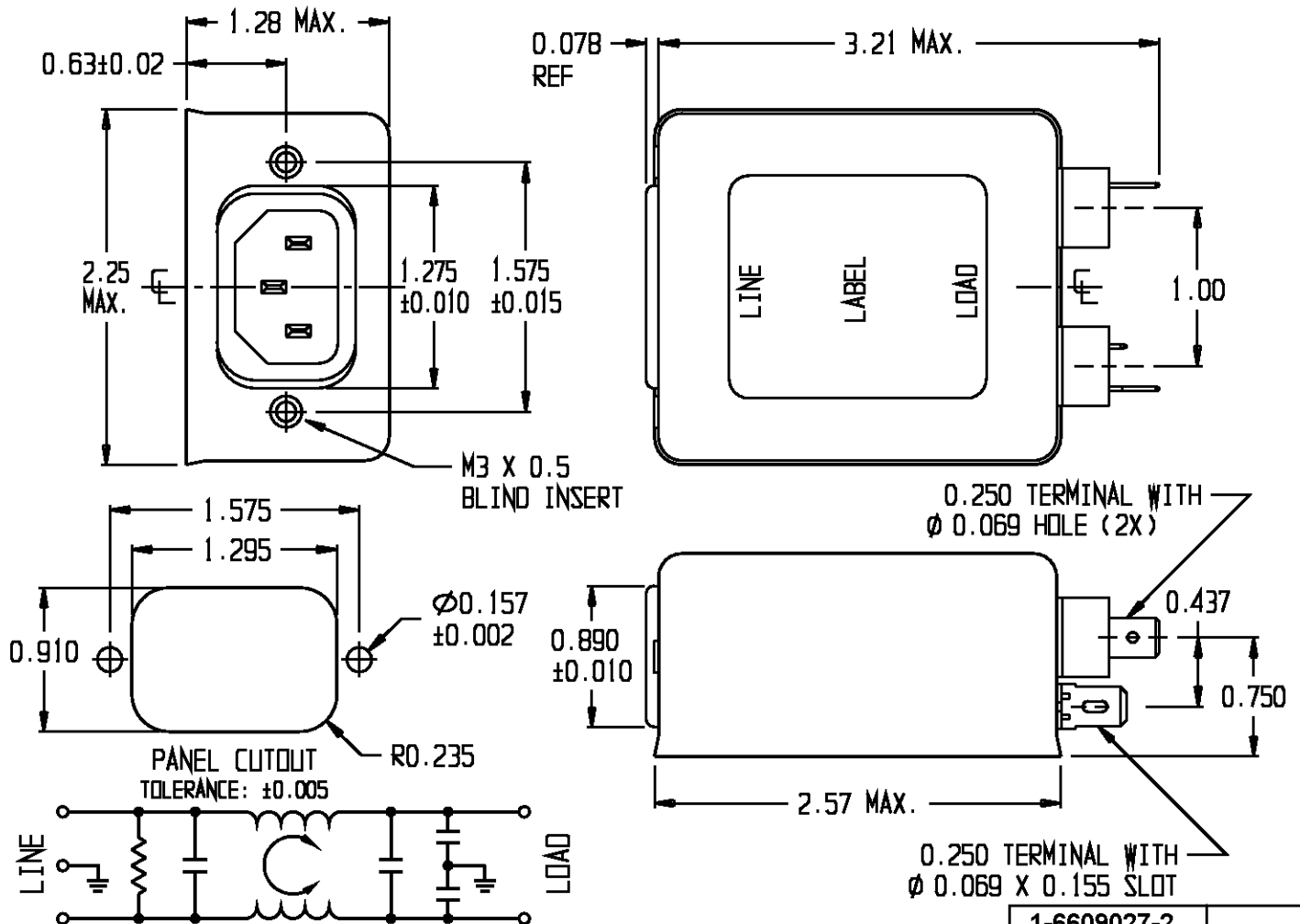
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE  
 LINE TO LINE: 1450VDC FOR 1 MINUTE

**FILTER APPROVAL:**

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

**CATALOG # 5EK7M**

ECO #	APPRVD.	DATE
	KAW	6DEC06
ECO-09-026495	AEG	18DEC 09



⚠️ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

⚠️ OBSOLETE

1-6609027-2

1-1609027-2

TE PN

**50Ω - 50Ω (MINIMUM) INSERTION LOSS**

FREQUENCY MHz	0.15	0.4	0.5	1.0	2.0	5.0	10	20	30
COMMON dB	10	-	21	26	33	39	42	45	47
DIFF. dB	3	3	17	40	60	65	65	50	41

THIRD ANGLE PROJECTION

UNLESS OTHERWISE SPECIFIED,  
 TOLERANCE TO BE ±.025  
 MATERIAL & FINISH: AS SUPPLIED

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**tyco** Electronics **CORCOM**  
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**CUSTOMER DRAWING 5EK7M**

TYCO: 1-6609027-2  
 SCALE: NTS DATE: 12SEP88 CATALOG NO. 5EK7M REV. B1  
 DRW. BY: JF DRG. CH

# Mouser Electronics

Authorized Distributor

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