

## 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  
 TUV APPROVED: EN60950

## OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 60 AMP/55°C, 80 VDC

LINE FREQUENCY: DC

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND:

N/A mA @ 120V 60Hz  
 N/A mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +55°C @ RATED CURRENT, I<sub>r</sub>.

IN AN AMBIENT, T<sub>0</sub>, HIGHER THAN 55°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{30}}$$

## 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: 0.340mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.10 μF ±20%  
 LINE TO LINE: 4.425 μF ±20%  
 DISCHARGE RESISTOR: 0.165MΩ  
 L/G AND L/L I.R.,  
 NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

## RECOMMENDED RECEIVING INSPECTION HIPOT:

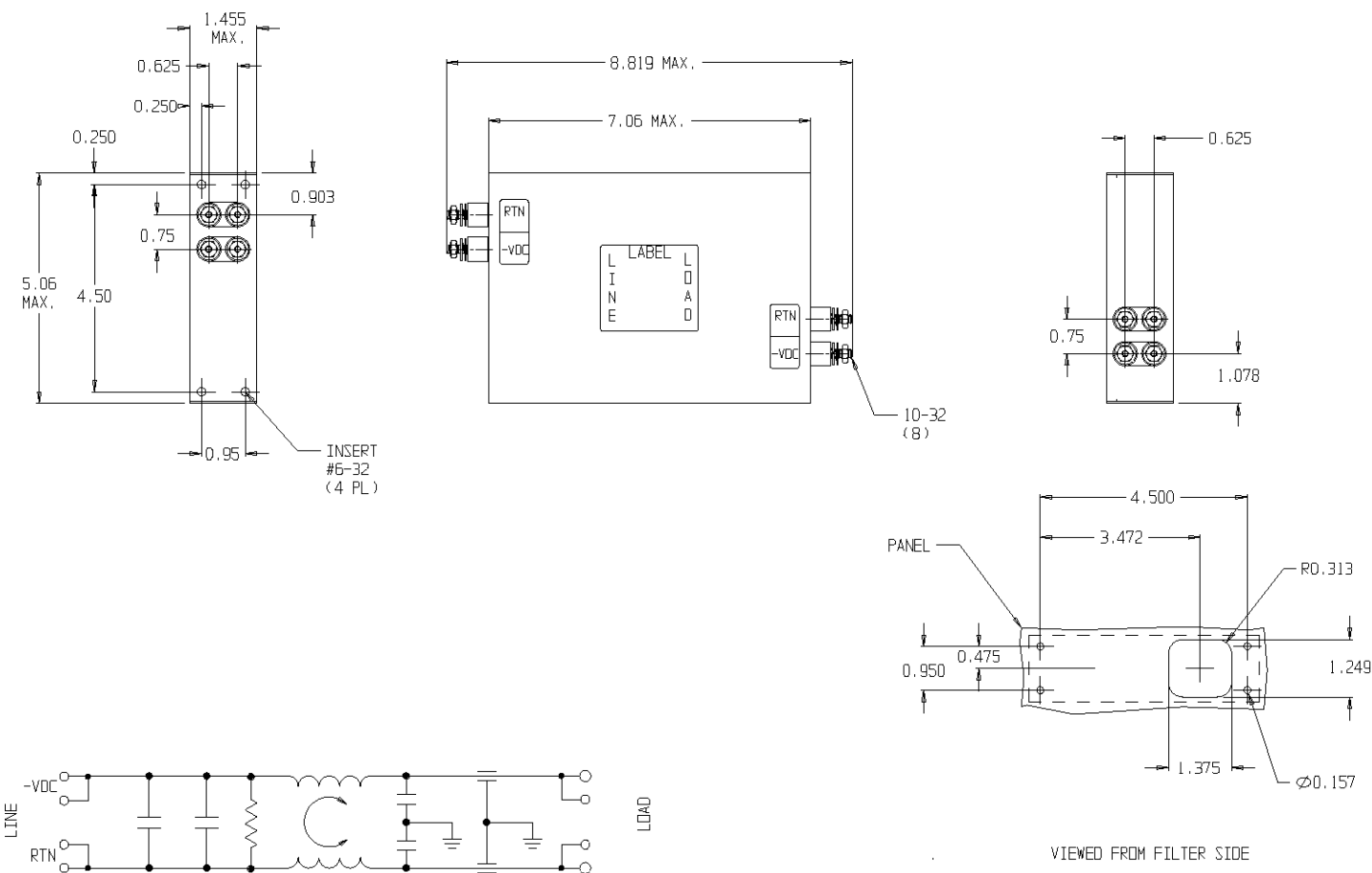
LINE TO GROUND: 2250 VDC FOR 1 MINUTE  
 LINE TO LINE: 1450 VDC FOR 1 MINUTE

## FILTER APPROVAL:

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

## CATALOG # 60DCB6F

EC#	APPRVD.	DDMMYY
0631-0093-03		11MAR03
<b>ECO-09-026495</b>	<b>AEG</b>	<b>18DEC 09</b>



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

**1** OBSOLETE **3-1609074-0**

**3-6609074-0**

TE PN

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

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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### POWER LINE FILTER

CAD FILE: G:\CD\60DCB6F01	TYCO # 3-1609074-0	REV.
SCALE: NTS	DATE: 10-30-00	CATALOG NO.
DRW. BY: PJD	DRG: PJD	<b>60DCB6F</b>
		<b>B1</b>

FREQUENCY MHz	.01	.05	0.1	0.15	0.5	1	3	5	10	20	50 TO 300	300 TO 3000
COMMON dB			9	16	38	42	52	60	48	26	40	30 TYP.
DIFF. dB	15	30	36	40	37	26	46	54	48	30		