

## 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: 125 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,  $I_r$ .

IN AN AMBIENT,  $T_a$ , HIGHER THAN 55°C, THE MAXIMUM OPERATING CURRENT,  $I_o$ , IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{85 - T_a}{30}}$$

## RELIABILITY SPECIFICATIONS:

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

## TEST SPECIFICATIONS:

INDUCTANCE: 0.385 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C ± 1°C)  
 LINE TO GROUND: 0.094  $\mu$ F ± 20%  
 LINE TO LINE: 4.424  $\mu$ F ± 20%  
 DISCHARGE RESISTOR: 0.165 M $\Omega$   
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000 M $\Omega$  (MIN.) @ 100VDC, 20°C AND 50% RH

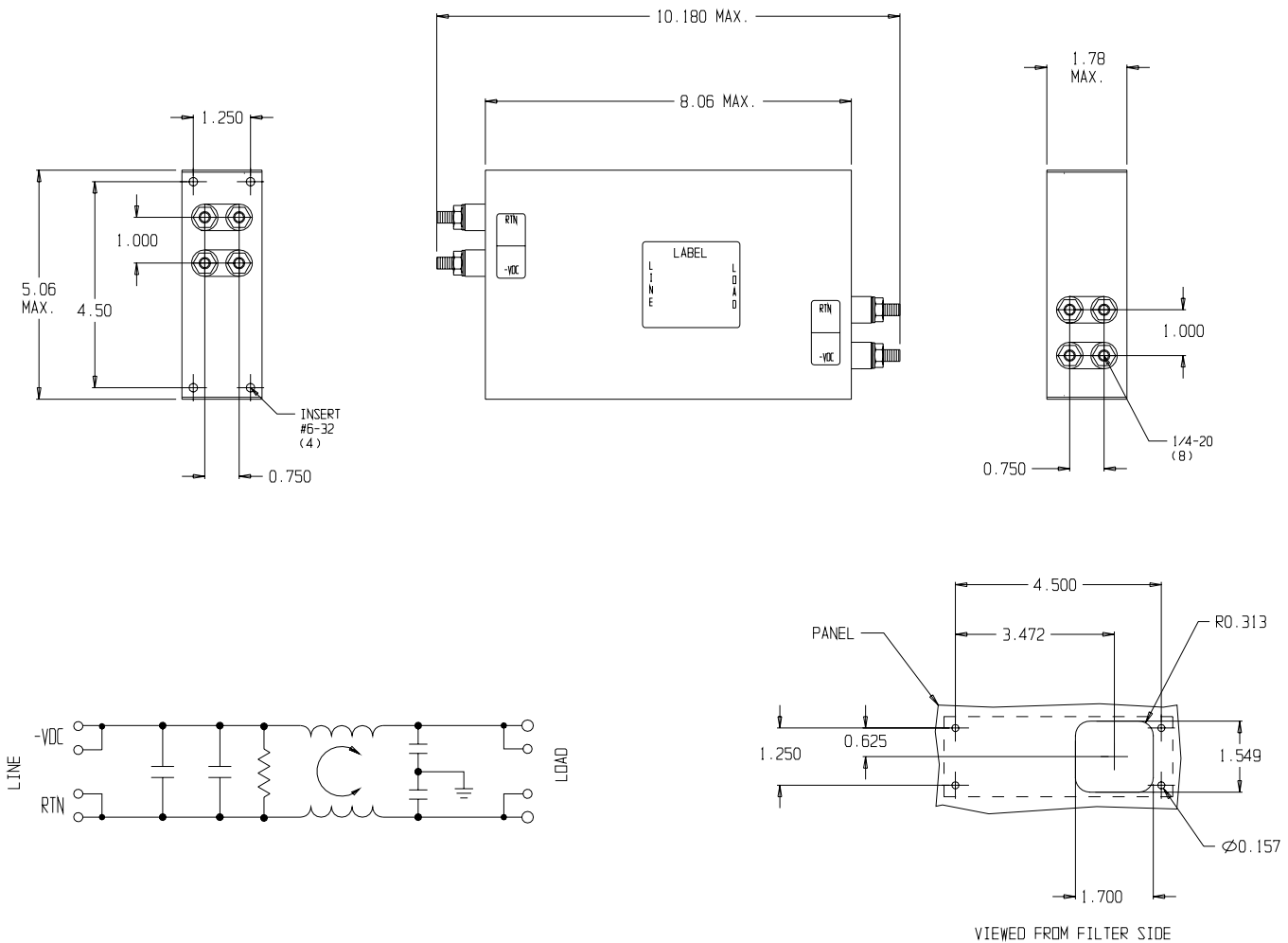
## RECOMMENDED RECEIVING INSPECTION HIPOT:

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.

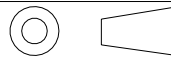
CATALOG #125DCB6		
EC#	APPRVD.	DDMMYY
0631-0093-03		11MAR03



## 50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.05	0.1	.15	0.5	1	3	5	10	30
COMMON dB			10	18	38	39	53	50	35	21
DIFF. dB	14	29	35	39	33	30	53	53	41	30

THIRD ANGLE  
 PROJECTION



UNLESS OTHERWISE SPECIFIED,  
 TOLERANCE TO BE  $\pm$ .025  
 MATERIAL & FINISH: AS SUPPLIED

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## POWER LINE FILTER

CAD FILE: G:\CD\125DCB602	TYCO # 3-1609074-7	REV.
SCALE: NTS	DATE: 01-10-01	CATALOG NO.
DRW. BY: PJD	DRIG: PJD	<b>125DCB6</b>
		<b>2</b>