

**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 C22.2 No. 8 PENDING  
 VDE APPROVED: EN 60939-2 PENDING

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 20 AMP, 120/250 VAC,  
 20 AMP/40°C, 250 VAC  
 LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
 EACH LINE TO GROUND: 2μ AMP @ 120V 60Hz  
 5μ AMP @ 250V 50Hz

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

IN AN AMBIENT, T<sub>0</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85 - T_0}{45}}$$

**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: 4.55 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: NA μF±20%  
 LINE TO LINE: .74 μF±20%  
 DISCHARGE RESISTOR: .470 MΩ  
 L/C AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,  
 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

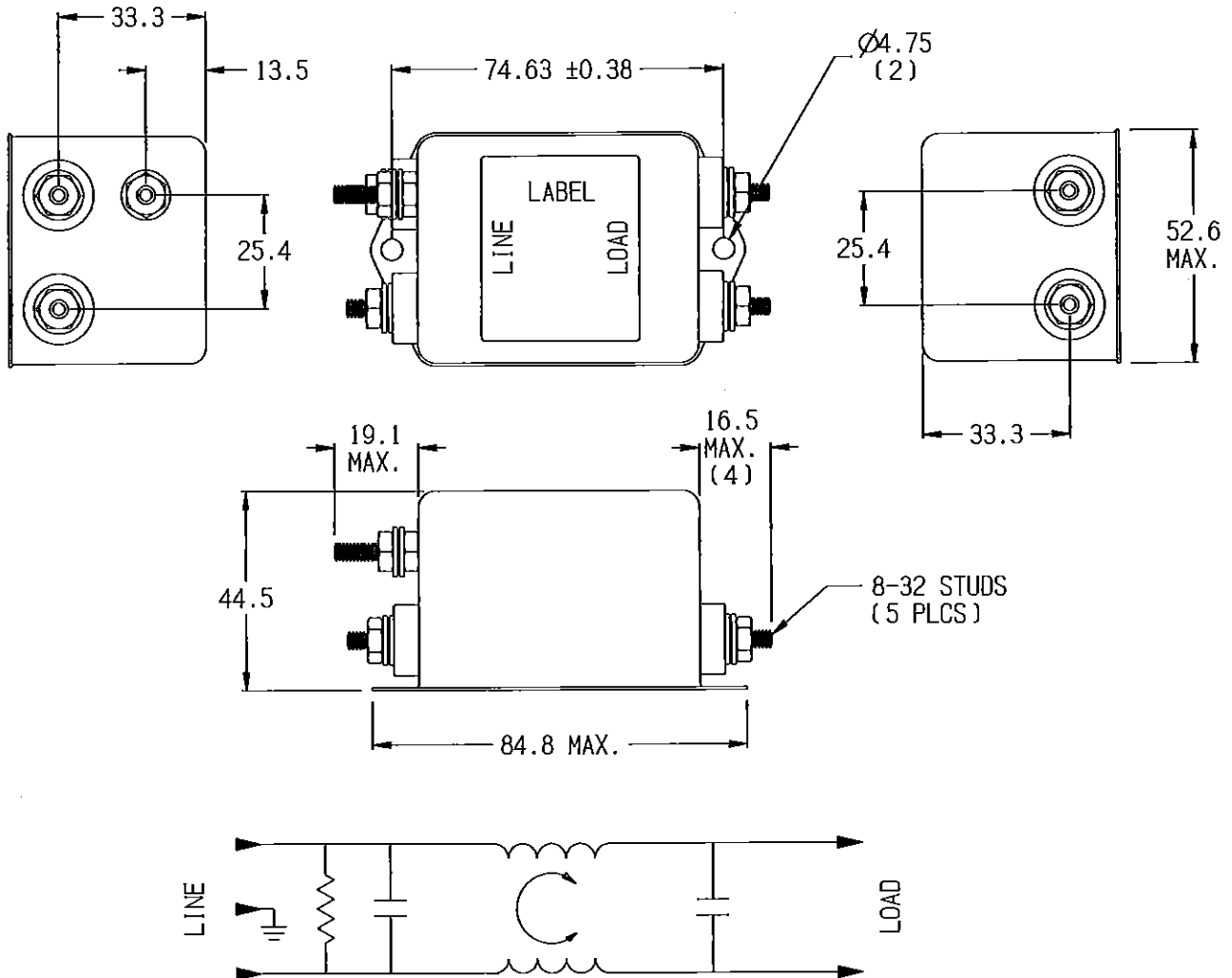
LINE TO GROUND: 1500 VAC FOR 1 MINUTE  
 LINE TO LINE: 1450 VDC FOR 1 MINUTE

**FILTER APPROVAL:**

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

**CUSTOMER DRAWING**

CATALOG # 20EHZ6		
ECN#	APPRVD	DATE
13-007605	TAM	06MAY13

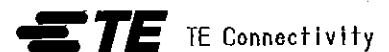


**50Ω - 50Ω (MINIMUM) INSERTION LOSS**

FREQUENCY Hz	.01	.05	.1	.15	.5	1.0	2.0	5.0	10	20	30	/
COMMON dB	5	19	24	28	31	29	20	14	9	6	4	/
DIFF. dB	/	/	/	11	9	54	77	80	74	69	58	49

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ±0.64 MATERIAL & FINISH: AS SUPPLIED DIMENSIONS IN MILLIMETERS



**NOTES:**

**POWER LINE FILTER**

TE PART NO.: 3-1609037-9			
SCALE: 5/8	DATE: 25APR13	DRAWING NUMBER: 20EHZ6	
DRW. BY: LJD	DRG: TAM	REV.:	A

THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION. (www.TE.com)