

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
VOE APPROVED: EN 60959-2 PENDING

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 20 AMP, 120/250 VAC,
16 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

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

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r .

IN AN AMBIENT, T_a , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o , IS AS FOLLOWS:

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

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

CUSTOMER DRAWING

CATALOG # 20EHT7

ECN# APPROVED DATE

13-007605 TAM 06MAY13

TEST SPECIFICATIONS:

INDUCTANCE: 3.88 mH NOMINAL

CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)

LINE TO GROUND: NA μ F±20%

LINE TO LINE: 2.77 μ F±20%

DISCHARGE RESISTOR: .110 M Ω

L/G AND L/L I.R.

NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC,

20°C AND 50% RH

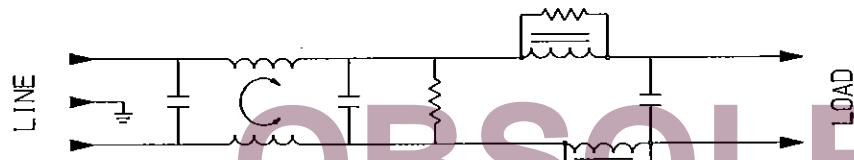
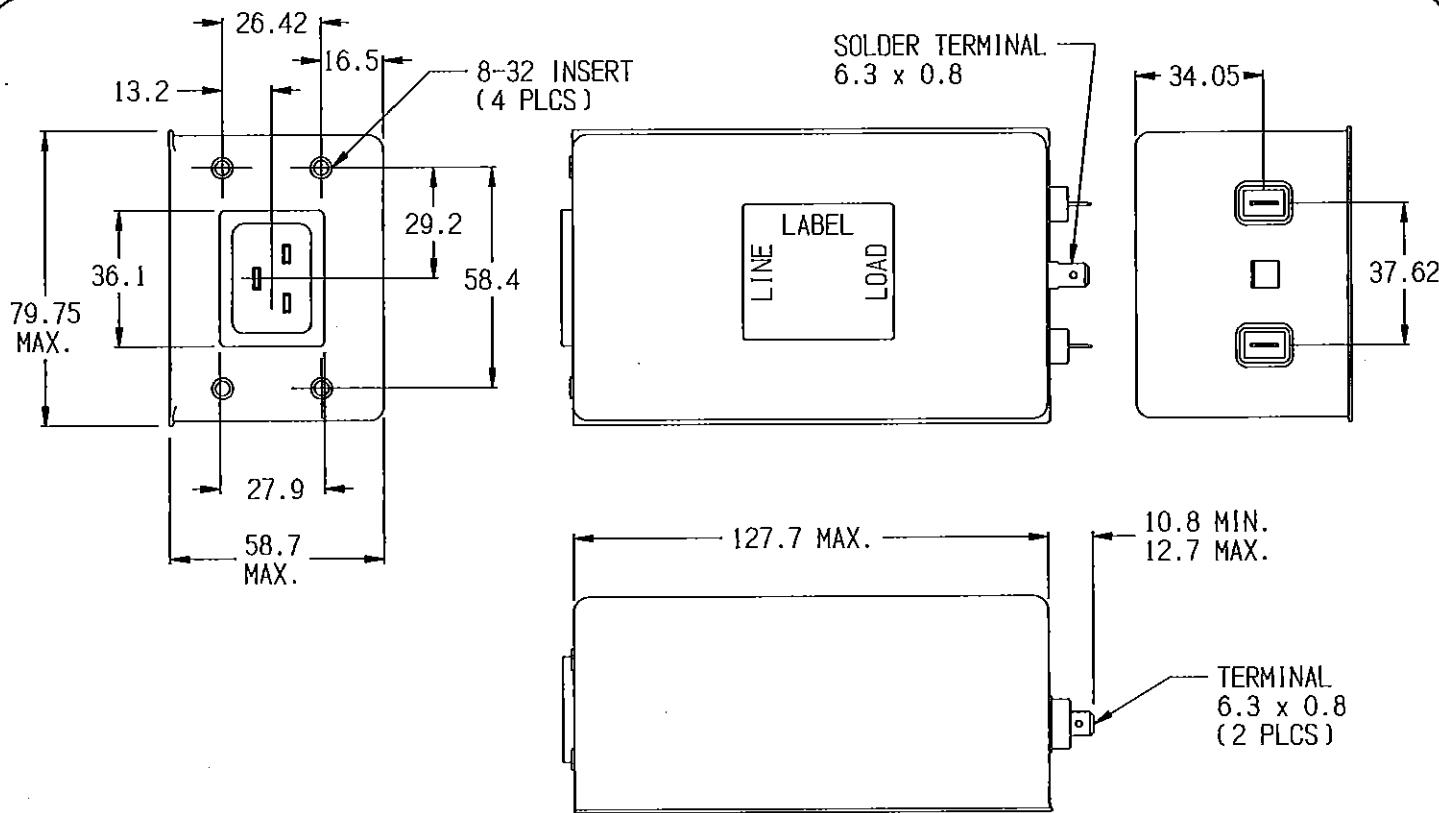
RECOMMENDED RECEIVING INSPECTION HIPOT:

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.



50 n - 50 n (MINIMUM) INSERTION LOSS

FREQUENCY Hz	50 n - 50 n (MINIMUM) INSERTION LOSS											NOTES:
	.01	.03	.05	.15	.5	1	2	5	10	20	30	
COMMON dB	2	10	15	24	29	26	20	14	11	9	5	/
DIFF. dB	10	17	13	51	70	70	70	65	65	50	/	
Sheet Size	100	100	100	100	100	100	100	100	100	100	100	
FIGURE	100	100	100	100	100	100	100	100	100	100	100	

PARTS SHALL COMPLY WITH TYCO ELECTRONICS I38-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

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

STE TE Connectivity

POWER LINE FILTER

TE PART NO.: 3-1609037-6

SCALE: 1/2 DATE: 01MAY13 DRAWING NUMBER: 20EHT7

REV. A

DEV. BY: TAM DRG: TAM

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20EHT7-A.cdr

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