

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_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

TEST SPECIFICATIONS:

INDUCTANCE: 2.88 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: NA μF±20%
LINE TO LINE: 2.77 μF±20%
DISCHARGE RESISTOR: 110 MΩ
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: 1500 VAC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

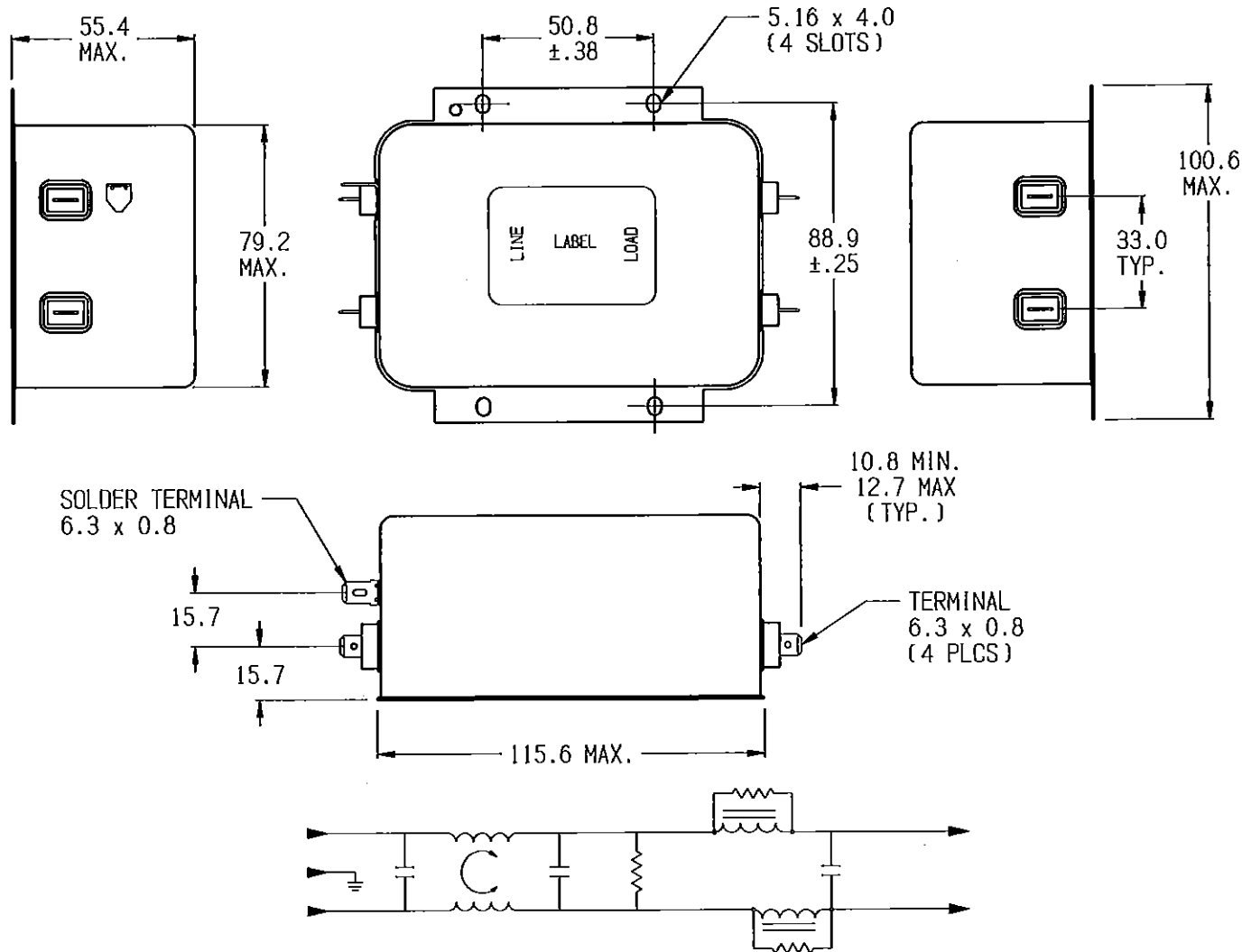
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 20EHT1

ECN#	APPRVD	DATE
13-007605	TAM	06MAY13



50Ω - 50Ω (MINIMUM) INSERTION LOSS											
FREQUENCY MHz	.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	70	65	65	50

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		 TE Connectivity	
NOTES:		POWER LINE FILTER	
TE PART NO.: 4-1609037-0			
SCALE: 1/2	DATE: 02MAY13	DRAWING NUMBER: 20EHT1	REV: A
DRW. BY: LJO	ORIG: TAM		
20EHT1-A.dwg			