

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,
16 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: 3.88 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: 6000Ω (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

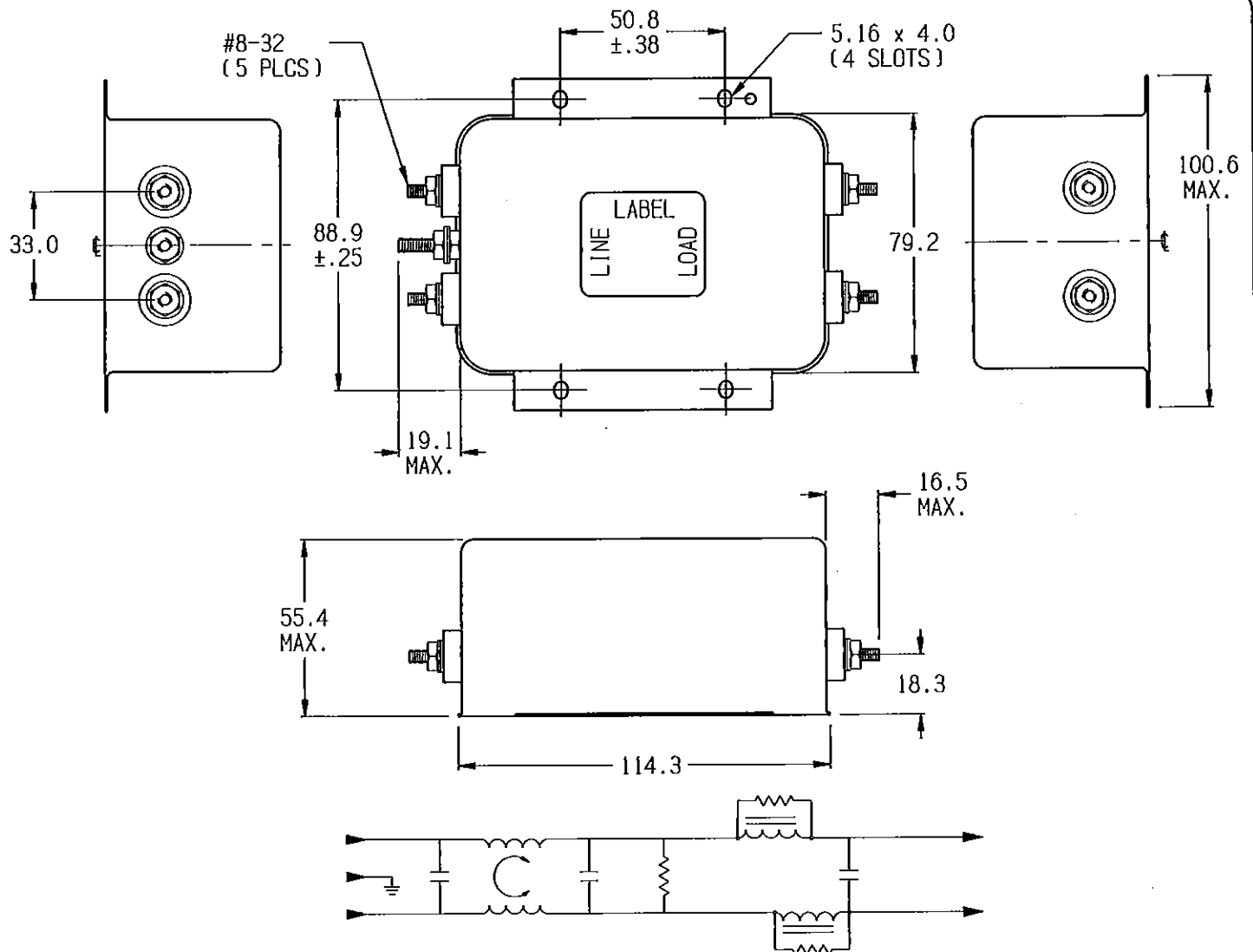
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 20EHT6

FCN#	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 /

SHEET SIZE: THIRD ANGLE PROJECTION

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(www.TE.com)

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:

TE Connectivity

POWER LINE FILTER

TE PART NO.: 3-1609037-5

SCALE: 1/2	DATE: 01MAY13	DRAWING NUMBER:	REV.
DRW. BY: TAM	DRG: TAM	20EHT6	A

20EHT6-A.ekd