

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
 2µ 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: 6.0 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: NA µF±20%
 LINE TO LINE: 4.4 µF±20%
 DISCHARGE RESISTOR: .073 HΩ
 L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000HΩ (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

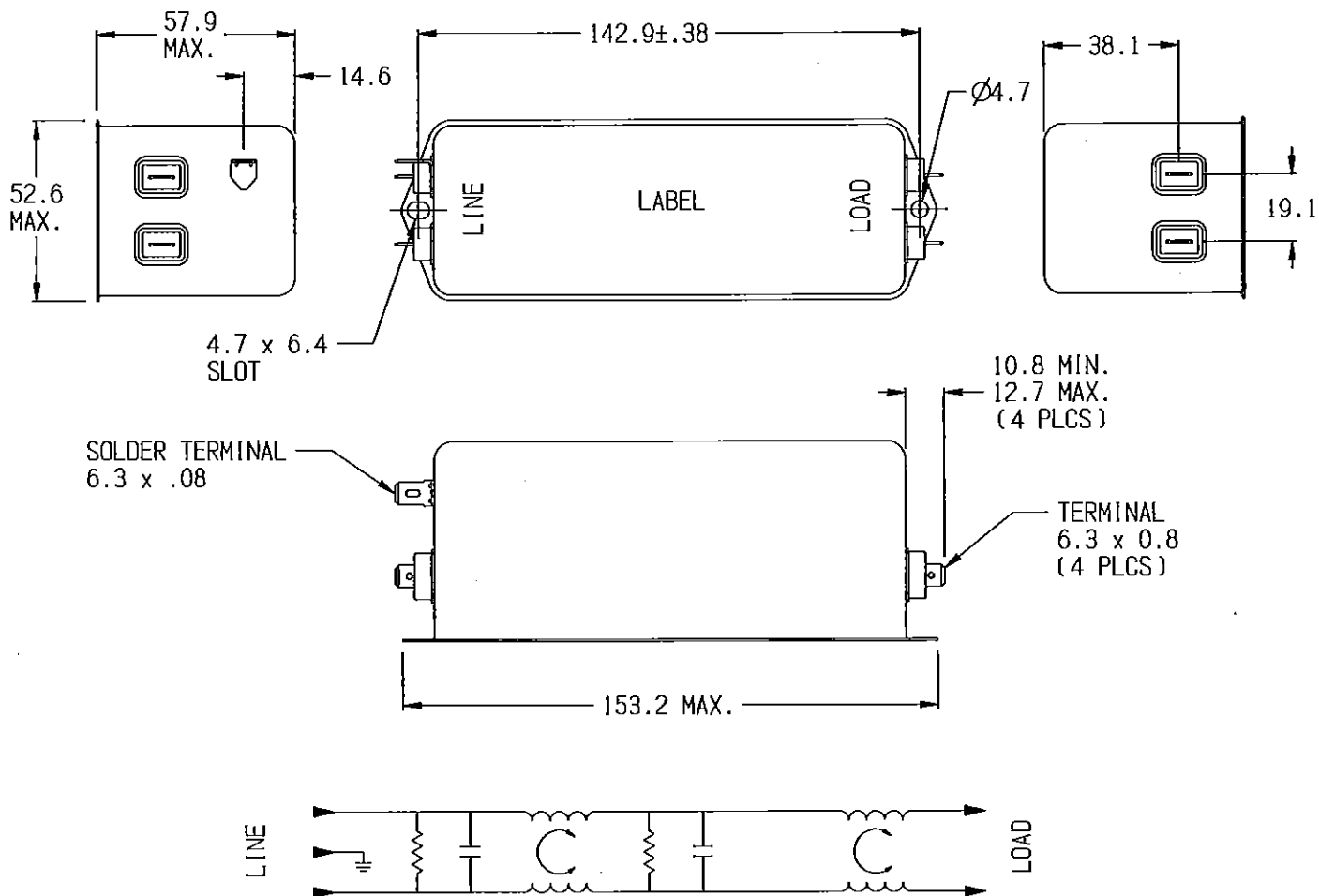
FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 20EHQ1

| ECN# | APPRVD | DATE |
|-----------|--------|---------|
| 13-007605 | TAM | 06MAY13 |



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS

| FREQUENCY kHz | .01 | .02 | .05 | .15 | .5 | 1 | 5 | 10 | 30 | / | / | / |
|---------------|-----|-----|-----|-----|----|----|----|----|----|---|---|---|
| COMMON dB | 6 | 12 | 20 | 30 | 34 | 34 | 25 | 20 | 15 | / | / | / |
| DIFF. dB | 15 | 20 | 20 | 46 | 65 | 70 | 65 | 60 | 60 | / | / | / |

SHEET SIZE: A

THIRD ANGLE PROJECTION

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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 TE Connectivity

POWER LINE FILTER

TE PART NO.: 4-1609037-2

| | | | |
|--------------|---------------|------------------------|--------|
| SCALE: 1/2 | DATE: 02MAY13 | DRAWING NUMBER: 20EHQ1 | REV: A |
| DRW. BY: LJO | DRG. TAM | | |

20EHQ1-A.cxd

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