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 RECONGNIZED: UL 1283

CSA CERTIFIED: CSA C22.2 No. 8

VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 20 AMP, 120/250 VAC
CSA & VDE: 20 AMP/40°C, 250 VAC

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:

$$I_o = I_r \sqrt{\frac{100 - T_a}{60}}$$

LINE CURRENT/VOLTAGE: 20 AMP, 120/250 VAC
UL: 20 AMP/25°C, 120/250 VAC

OPERATING AMBIENT TEMP. RANGE: -10°C TO +25°C @ RATED CURRENT, I_r. IN AN AMBIENT, T_a, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS:

$$I_o = I_r \sqrt{\frac{100 - T_a}{75}}$$

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND:
0.22mA @ 120V, 60Hz
0.38mA @ 250V, 50Hz

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

RECOMMENDED RECEIVING INSPECTION HIPOT:

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

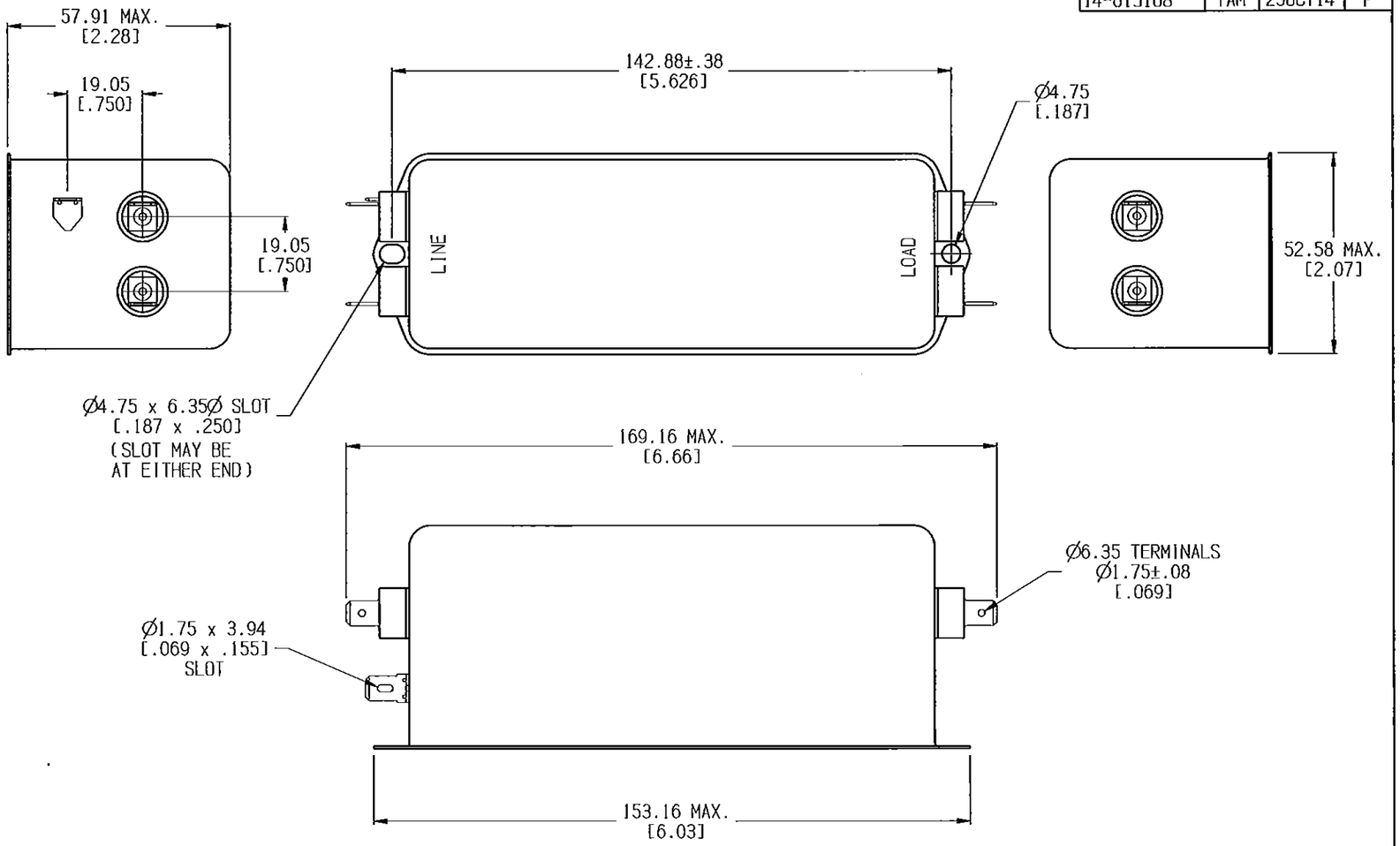
FILTER APPROVAL:

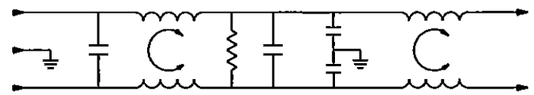
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

TEST SPECIFICATIONS:

INDUCTANCE: 6.0 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: .0056 µF ±20%
LINE TO LINE: 4.4 µF ±20%
DISCHARGE RESISTOR: 73.3 KΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

20EQ1			
EC #	APPR.	DDMMMYY	REV.
14-015108	TAM	25OCT14	P





50Ω - 50Ω (MINIMUM) INSERTION LOSS												
FREQUENCY MHz	.01	.02	.05	.15	.5	1	5	10	30	–	–	–
COMMON dB	6	10	8	39	60	65	65	65	55	–	–	–
DIFF. dB	15	20	20	46	65	70	65	60	60	–	–	–

SHEET SIZE: B | THIRD ANGLE PROJECTION

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PARTS SHALL COMPLY WITH TYCO ELECTRONICS 108-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.63
MATERIAL & FINISH: AS SUPPLIED

NOTES:

20EQ1 P.ckd — New Layout 2

TE Connectivity

CUSTOMER DRAWING

DIMENSIONS IN MILLIMETERS | TE PART NO: 6609048-9
SCALE: 5/8 | DATE: 01OCT93 | DRAWING NUMBER: 20EQ1 | REV. P
DRV. BY: LJD | DRTG: TAM