

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



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:
 0.73mA @ 120V, 60Hz
 1.27mA @ 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

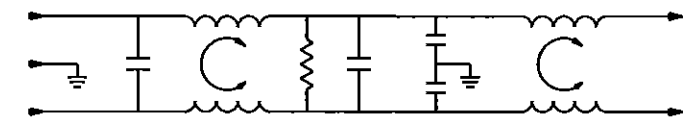
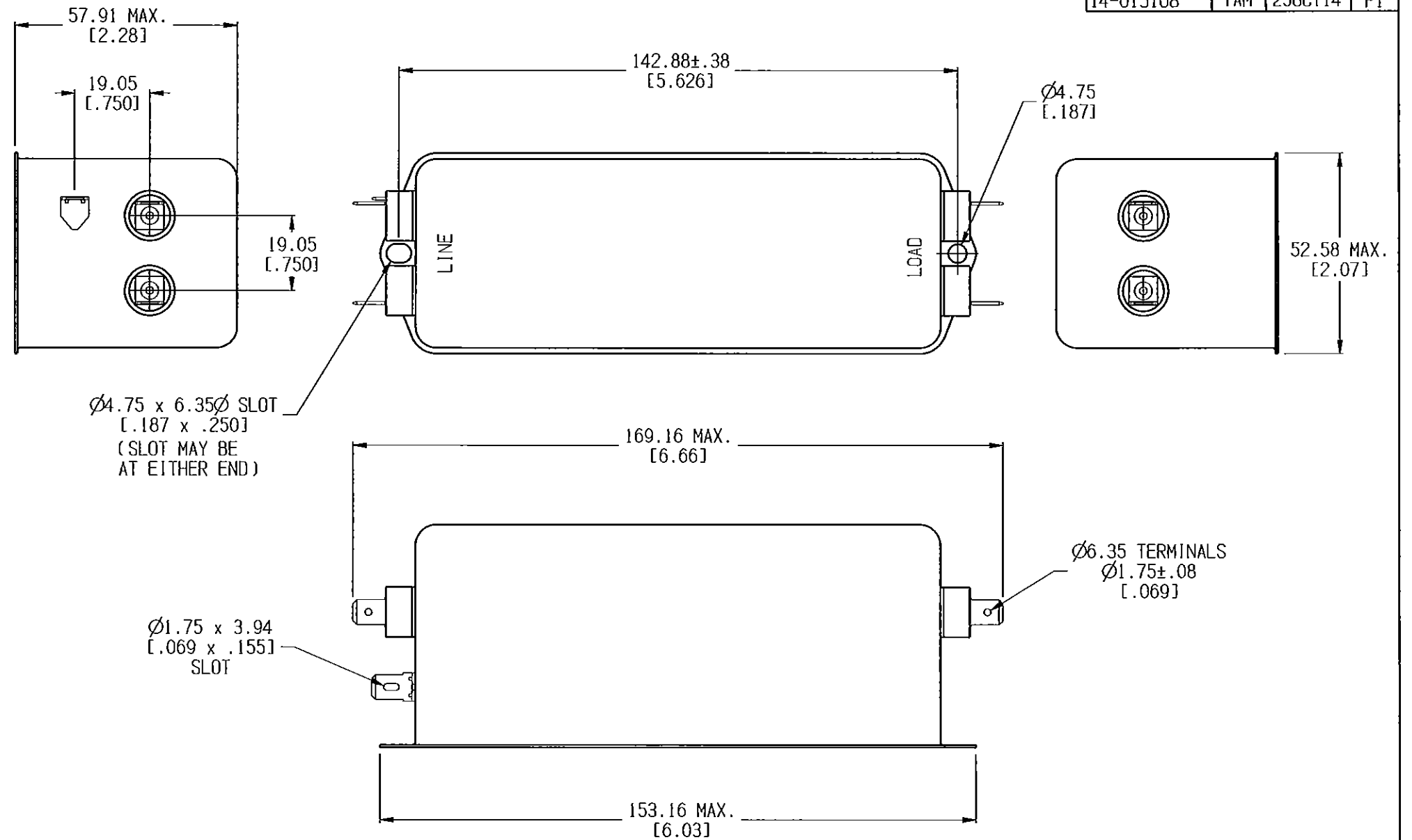
FILTER APPROVAL:

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: 0.02 μ F ±20%
 LINE TO LINE: 4.4 μ F ±20%
 DISCHARGE RESISTOR: 73.3 K Ω
 L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC, 20°C AND 50% RH

20VQ1			
EC #	APPR.	DDMMYY	REV.
14-015108	TAM	25OCT14	P1



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS											PARTS SHALL COMPLY WITH TYCO ELECTRONICS 198-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES					
FREQUENCY kHz	.01	.02	.05	.15	.5	1	5	10	30	-	-	UNLESS OTHERWISE SPECIFIED TOLERANCE TO BE ±0.63 MATERIAL & FINISH: AS SUPPLIED				
COMMON dB	6	3	17	52	65	70	70	70	50	-	-	NOTES:				
DIFF. dB	15	20	20	46	65	70	65	60	60	-	-	TE Connectivity				
SHEET SIZE: B											DIMENSIONS IN MILLIMETERS			TE PART NO: 6609049-5		
THIRD ANGLE PROJECTION											SCALE: 5/8			DATE: 01OCT93		
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20VQ1 Pl.cxd											REV. 01			REV. P1		