

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: 6 AMP, 120/250 VAC  
CSA & VDE: 6 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: 6 AMP, 120/250 VAC  
UL: 6 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:  
.30mA @ 120V, 60Hz  
.50mA @ 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

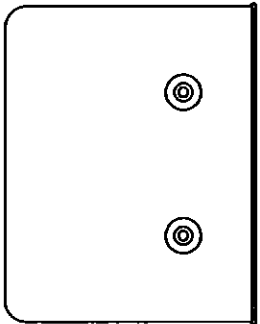
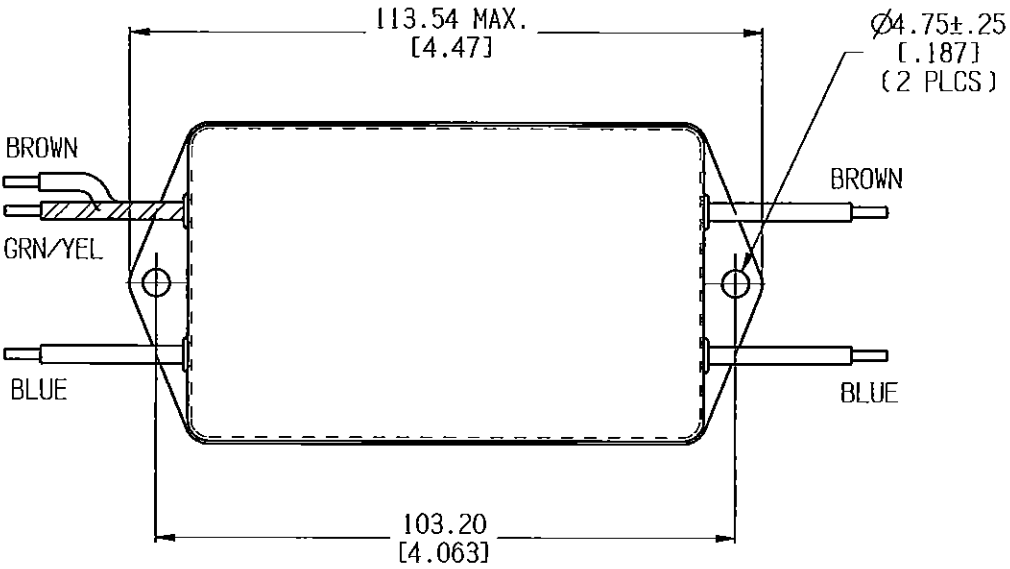
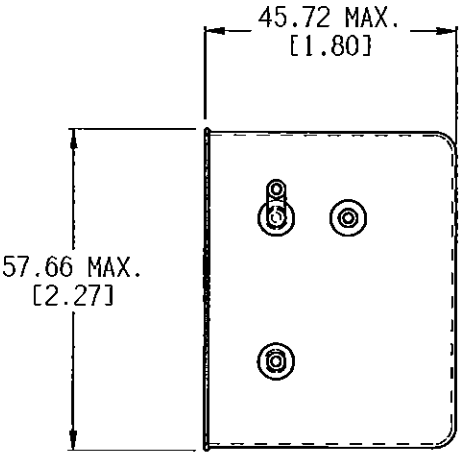
FILTER APPROVAL:

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

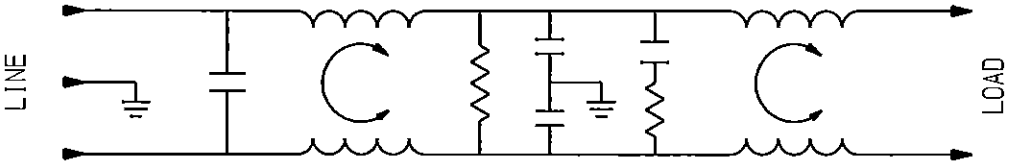
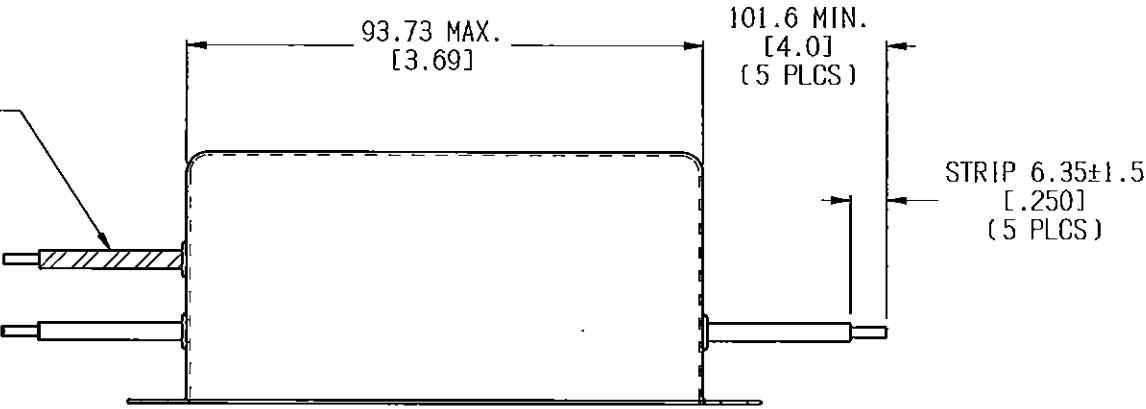
TEST SPECIFICATIONS:

INDUCTANCE: 48.8 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: .008  $\mu$ F ±20%  
LINE TO LINE: 1.97  $\mu$ F ±20%  
DISCHARGE RESISTOR: 165 K $\Omega$   
L/G AND L/L I.R.  
NO DISCHARGE RESISTOR: 6000M $\Omega$  (MIN.) @ 100VDC, 20°C AND 50% RH

| 6EQ3      |       |         |      |
|-----------|-------|---------|------|
| EC #      | APPR. | DDMMYY  | REV. |
| 14-015108 | TAM   | 29OCT14 | F    |



18 AWG VW-1  
WIRE (5 PLCS)



| 50 $\Omega$ - 50 $\Omega$ (MINIMUM) INSERTION LOSS                                                                                                                                                                                                                                                             |     |      |     |     |     |                      |    |    |    |    |    |    | PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES               |  |  |  |  |  |                       |  |  |  |  |  |  |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|------|-----|-----|-----|----------------------|----|----|----|----|----|----|-------------------------------------------------------------------------------------------------------|--|--|--|--|--|-----------------------|--|--|--|--|--|--|
| FREQUENCY<br>MHz                                                                                                                                                                                                                                                                                               | .01 | .015 | .02 | .05 | .15 | .5                   | 2  | 5  | 7  | 10 | 20 | 30 | UNLESS OTHERWISE SPECIFIED<br>TOLERANCE TO BE $\pm 0.63$<br>MATERIAL & FINISH: AS SUPPLIED.           |  |  |  |  |  |                       |  |  |  |  |  |  |
| COMMON<br>dB                                                                                                                                                                                                                                                                                                   | 26  | 28   | 31  | 20  | 68  | 72                   | 72 | 68 | 55 | 55 | 50 | 45 |                                                                                                       |  |  |  |  |  |                       |  |  |  |  |  |  |
| DIFF.<br>dB                                                                                                                                                                                                                                                                                                    | 6   | 4    | 10  | 43  | 70  | 75                   | 75 | 65 | 52 | 55 | 55 | 55 |                                                                                                       |  |  |  |  |  |                       |  |  |  |  |  |  |
| NOTES:                                                                                                                                                                                                                                                                                                         |     |      |     |     |     |                      |    |    |    |    |    |    |  TE Connectivity |  |  |  |  |  |                       |  |  |  |  |  |  |
| SHEET SIZE                                                                                                                                                                                                                                                                                                     |     |      |     |     |     |                      |    |    |    |    |    |    |                                                                                                       |  |  |  |  |  |                       |  |  |  |  |  |  |
| THIRD ANGLE PROJECTION                                                                                                                                                                                                                                                                                         |     |      |     |     |     |                      |    |    |    |    |    |    |                                                                                                       |  |  |  |  |  |                       |  |  |  |  |  |  |
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|                                                                                                                                                                                                                                                                                                                |     |      |     |     |     |                      |    |    |    |    |    |    | DIMENSIONS<br>IN MILLIMETERS                                                                          |  |  |  |  |  | TE PART NO: 6609048-6 |  |  |  |  |  |  |
|                                                                                                                                                                                                                                                                                                                |     |      |     |     |     |                      |    |    |    |    |    |    | SCALE: 3/4                                                                                            |  |  |  |  |  | DATE: 29SEP93         |  |  |  |  |  |  |
| DRG. BY: LJD                                                                                                                                                                                                                                                                                                   |     |      |     |     |     | DRAWING NUMBER: 6EQ3 |    |    |    |    |    |    |                                                                                                       |  |  |  |  |  |                       |  |  |  |  |  |  |
| 6EQ3 F.ckd                                                                                                                                                                                                                                                                                                     |     |      |     |     |     | REV. F               |    |    |    |    |    |    |                                                                                                       |  |  |  |  |  |                       |  |  |  |  |  |  |
| Nov Layout 2                                                                                                                                                                                                                                                                                                   |     |      |     |     |     |                      |    |    |    |    |    |    |                                                                                                       |  |  |  |  |  |                       |  |  |  |  |  |  |