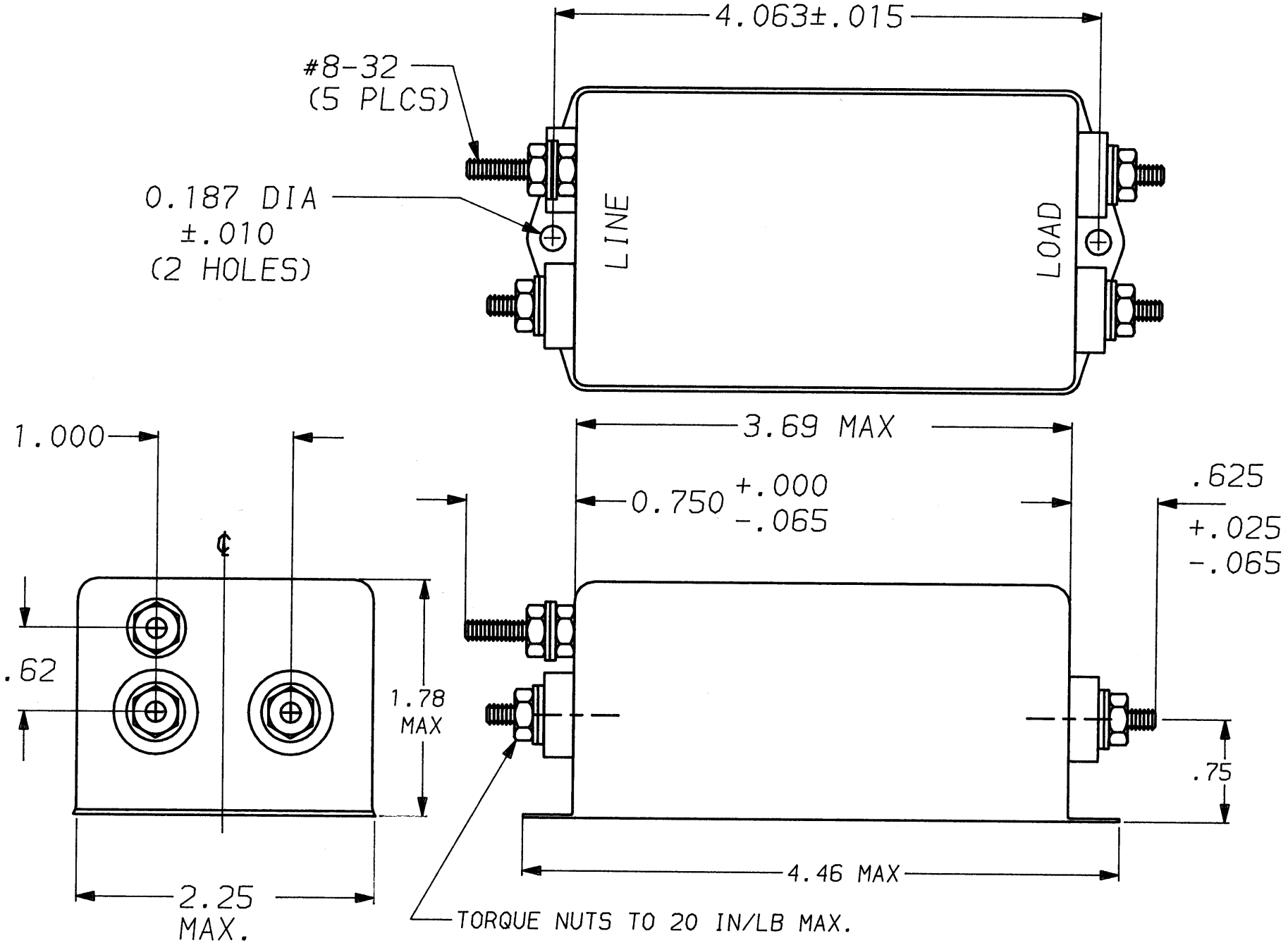


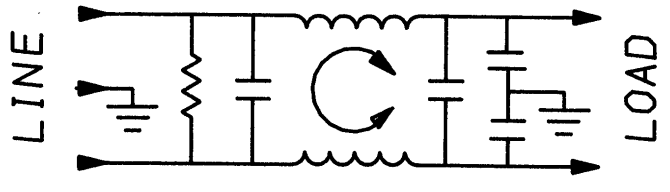


| C. Westlake 12-5-90 | 1 |
|---|---|
| APPROVED/DATE | REV |

SAFETY ORGANIZATION(S):

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 22.2, NO.0, 0.4, 8 |
| VDE APPROVED | VDE 565-3 |

OPERATING SPECIFICATIONS:

| | |
|---|---|
| LINE VOLTAGE/CURRENT: | 20 AMP., 120/250 VAC<br>16A/40°C, 250VAC |
| LINE FREQUENCY: | 50-60Hz |
| MAX. CASE RISE @ RATED CURRENT: | 40°C |
| MAX. LEAKAGE CURRENT, EACH LINE TO GROUND | .3 mA at 120V 60 Hz<br>.5 mA at 250V 50 Hz |
| 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 RATED CURRENT FOR 8 SECONDS |

TEST SPECIFICATIONS:

| | |
|---|---|
| INDUCTANCE: | 6.06 mH NOMINAL |
| CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C) | |
| LINE TO GROUND: | .004µF ±20% |
| LINE TO LINE: | .54µF ±20% |
| DISCHARGE RESISTOR | 470KΩ |
| LINE/GROUND AND LINE/LINE INSULATION RESISTANCE | 6000 MΩ (MIN) AT 100 VDC<br>20°C AND 50% RH |

RECOMMENDED RECEIVING INSPECTION HIPOT:

| | |
|---|---|
| LINES TO GROUND: | 2250 VDC 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.

50Ω - 50Ω (MINIMUM) INSERTION LOSS

| FREQUENCY MHz | .01 | .08 | .1 | .15 | .5 | 1.0 | 5.0 | 10 | 30 | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| COMMON dB | 7 | 22 | 24 | 28 | 35 | 38 | 45 | 45 | 45 | | | |
| DIFF. dB | 1 | 10 | 8 | 8 | 45 | 60 | 65 | 60 | 60 | | | |

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TOLERANCE EXCEPT AS NOTED

DECIMAL: .XXX .XX .X ANGLES
ENGLISH: ±.025 ± 1°
METRIC: ± ——

MATERIAL: AS SUPPLIED

FINISH: AS SUPPLIED

CORCOM
LIBERTYVILLE, IL 60048

# POWER LINE FILTER

| SCALE | DATE | DRG. NO. | REV. |
|---|---|---|---|
| NTS | 9-12-89 | 20ESK6. | 01 |
| DRW. BY: TDL | ORIGINATOR: CW | | |