

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: 6 AMP, 120/250 VAC,
6 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.25nA @ 120V 60Hz
0.50nA @ 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: 6.2 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.006µF ±20%
LINE TO LINE: 2.0µF ±20%
DISCHARGE RESISTOR: 165K Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOUT:

LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
LINE TO LINE: 1450VDC FOR 1 MINUTE

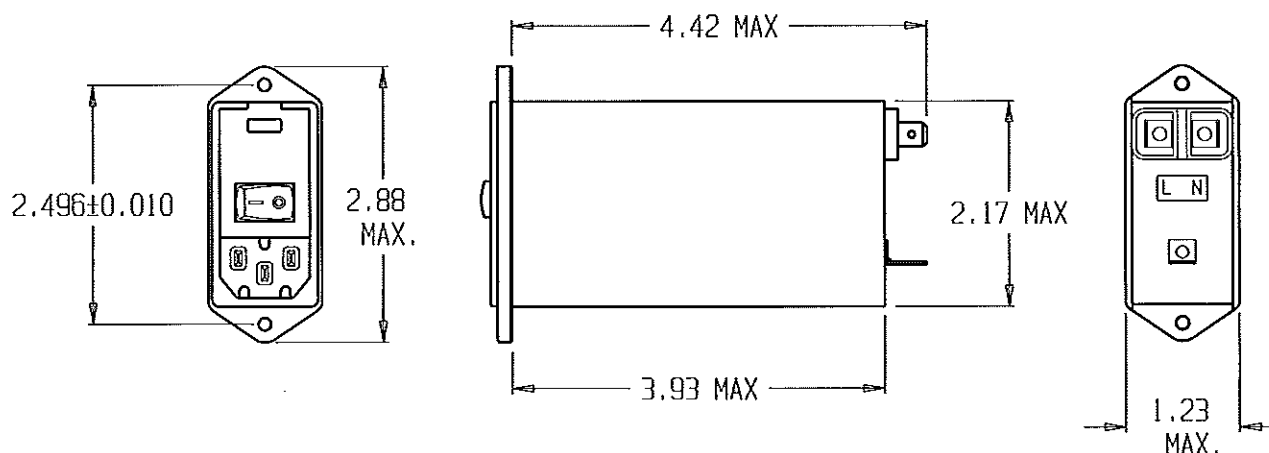
FILTER APPROVAL:

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

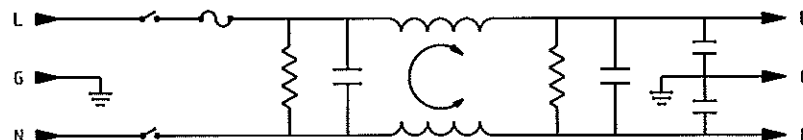
CUSTOMER DRAWING

CATALOG # PMOS0SZ6C

| ECN # | APPRVD. | DATE |
|-----------|---------|---------|
| 09-013614 | ELC | 26OCT09 |

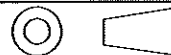


PANEL CUTOUT



50Ω- 50Ω(MINIMUM) INSERTION LOSS

THIRD ANGLE
PROJECTION



UNLESS OTHERWISE SPECIFIED,
TOLERANCE TO BE ±.025
MATERIAL & FINISH: AS SUPPLIED

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Tyco Electronics

CORDEX PRODUCTS, 620 S. BUTTERFIELD RD., MINDELEIN IL 60060

POWER LINE FILTER

| | | | |
|---------------------------------------|---------------|-----------------------|--------|
| TYCO ELECTRONICS PART NO. 3-1609109-0 | | CATALOG NO. PMOS0SZ6C | REV. A |
| SCALE: NTS | DATE: 28MAY08 | | |
| DRW. BY: SD | DRG: ELC | | |

| FREQUENCY MHz | .01 | .05 | .10 | .15 | .50 | 1.0 | 5.0 | 10.0 | 30.0 |
|------------------|-----|-----|-----|-----|-----|-----|-----|------|------|
| COMMON dB | 8 | 21 | 27 | 30 | 37 | 43 | 49 | 52 | 42 |
| DIFF. dB | 10 | 15 | 34 | 44 | 75 | 75 | 75 | 70 | 60 |

Mouser Electronics

Authorized Distributor

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