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 22.2, # B
- VDE Approved: EN 60959-2

OPERATING SPECIFICATIONS

- LINE CURRENT/VOLTAGE: 10 AMP/40°C, 120V/250VAC
- LINE FREQUENCY: 50-60Hz
- MAXIMUM LEAKAGE CURRENT:
  - EACH LINE TO GROUND: 0.22mA @ 120V, 60Hz
  - 0.38mA @ 250V, 50Hz
- OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, Iₐ. IN AN AMBIENT, Tₐ, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, Iₐ, IS AS FOLLOWS: Iₐ = Iᵣ - (100 - Tₐ) / 60

RELIABILITY SPECIFICATIONS:

- STORAGE TEMPERATURE: -40°F TO 65°F
- HUMIDITY: 21 DAYS @ 40°C, 95% RH
- CURRENT OVERLOAD TEST: 6 TIMES Iₐ FOR 8 SECONDS

TEST SPECIFICATIONS:

- INDUCTANCE: 0.27mH MINIMAL
- CAPACITANCE: (MEASURED @ 1kHz, 0.250mH MAX., 25°C±1°C)
  - LINE TO GROUND: 0.005mF ± 20%
  - LINE TO LINE: 0.10mF ± 20%
- DISCHARGE RESISTOR: 1.9kΩ
- L/G AND L/L 1.3kΩ
- NO DISCHARGE RESISTOR: 600Ω±50% (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

- LINE TO GROUND: 1500VAC OR 2500VDC 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 # 10EEM1-1
PCN # APPROVED DATE
08-010586 ELC 2NDREV

Tyco Electronics

POWER LINE FILTER

50Ω - 50Ω (MINIMUM) INSERTION LOSS

FUSE: 5mm x 20mm

TYP. DIMENSIONS: 1.31 MAX. x 1.23 MAX. x 0.25 TERMINAL WITH 0.069 HOLE (2X)

0.138 (2 HOLES)

RECOMMENDED PANEL CUTOUT (FRONT OR BACK MOUNTING)

0.138 RO.138

1.14 MAX.

1.30

1.417 X 0.155 SLOT

2.13

Tyco Electronics PART NO. 3-18086-15-4

0.138

CATALOG NO. 10EEM1-1

POWER LINE FILTER

Tyco Electronics

08-010586 ELC 2NDREV
Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

TE Connectivity:
10EGG1-1