

# 3-1609037-2 Product Details



# 3-1609037-2

(20EHZ1) TE Internal Number: 3-1609037-2

Active

### **EMI/RFI Filters and Accessories**

Always EU RoHS/ELV Compliant (Statement of Compliance)

## **Product Highlights:**

- Filter EMI/RFI
- Filter Type = Power Line
- HZ Series
- Medical Application
- Mount Style = Flanged

### **Documentation & Additional Information**

Product Drawings:
• CUSTOMER DRAWING 20EHZ1 (PDF, English)

Catalog Pages/Data Sheets:
• 1654001\_CORCOM\_PRODUCT\_GUIDE\_HZ\_SERIES (PDF, English)

## **Product Specifications:**

None Available

### **Application Specifications:**

None Available

### **Instruction Sheets:**

None Available

## CAD Files:

• None Available

## **Additional Information:**

• Product Line Information

### **Related Products:**

Tooling

### Product Features (Please use the Product Drawing for all design activity)

## **Product Type Features:**

- Product Type = Filter EMI/RFI
- Filter Type = Power Line
- Series = HZ
- Ground Choke Option = Without
- Filtered = Yes
- Ground Option = None

## **Electrical Characteristics:**

- Current Rating (A) = 20
- Voltage  $\leq$  (VAC) = 250
- Leakage Current (Line-to-Ground) Max. @ 250 VAC 50 Hz ( $\mu$ A) = 5

## **Termination Features:**

Terminal Input - Output Combination = 1/4" Faston - 1/4" Faston

## **Body Features:**

- Mount Style = Flanged
- Terminal Style Output = Straight

## **Industry Standards:**

- RoHS/ELV Compliance = RoHS compliant, ELV compliant
- Lead Free Solder Processes = Not relevant for lead free process
- $\bullet \quad \text{RoHS/ELV Compliance History = Always was RoHS compliant} \\$
- Approved Standards = VDE Approved, UL Recognized, CSA Certified

### Conditions for Usage:

- Facility Installation = No
- Need Min Size With IEC Connector = No
- Need Optional Switch, Fusing, Or Voltage Selector = No

## Operation/Application:

Application = Medical

Other:
• Brand = Corcom

# 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

LINE FREQUENCY:

50~60Hz

MAXIMUM LEAKAGE CURRENT, EACH LINE TO GROUND:

2µA @ 120V 60Hz

5µA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATEO CURRENT, I<sub>r</sub>. IN AN AMBIENT, T<sub>0</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>0</sub>, IS AS FOLLOWS:  $I_{-}=I_{-}=\sqrt{85-T_0}$ 

 $I_0 = I_r - \sqrt{\frac{85 - T_0}{45}}$ 

## RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C HUMIDITY: 21 DAYS @ 40°C 95% RH. CURRENT OVERLOAD TEST: 6 TIMES Ir FOR 8 SECONDS

CATALOG # 20EHZ1

ECN# APPRVD DATE
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# TEST SPECIFICATIONS:

INDUCTANCE: 4.55 mH NOMINAL

CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)

LINE TO LINE:

0.74 μF ±20%

DISCHARGE RESISTOR: 470K A

L/G AND L/L I.R. NO DISCHARGE RESISTOR:

6000M₁ (MIN.) @ 100VDC,

20°C AND 50% RH

# RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC FOR I MINUTE LINE TO LINE: 1450 VDC FOR I MINUTE

## FILTER APPROVAL:

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

