

1-6609000-1 Product Details



1-6609000-1
(10EEA2)

TE Internal Number: 1-6609000-1



EMI/RFI Filters and Accessories

 Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Filter - EMI/RFI
- Filter Type = Power Line
- EEA (1-15 Amp) Series
- General Purpose Application
- Mount Style = Flanged

Documentation & Additional Information

Product Drawings:

- [CUSTOMER DRAWING 10EEA2](#) (PDF, English)

Catalog Pages/Data Sheets:

- [1654001_CORCOM_PRODUCT_GUIDE_EEA_EEB](#) (PDF, English)

Product Specifications:

- None Available

Application Specifications:

- None Available

Instruction Sheets:

- None Available

CAD Files: (CAD Format & Compression Information)

- [2D Drawing](#) (DXF, Version A)
- [3D Model](#) (IGES, Version A)
- [3D Model](#) (STEP, Version A)

Additional Information:

- [Product Line Information](#)

Additional Product Images:

- [Insertion Loss/Specifications](#)

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](#) = EEA (1-15 Amp)
- [Filtered](#) = Yes
- [Type of Connector](#) = IEC 320/C-14

Electrical Characteristics:

- [Current Rating \(A\)](#) = 10
- [Voltage ≤ \(VAC\)](#) = 250
- Leakage Current (Line-to-Ground) Max. @ 250 VAC 50 Hz (mA) = 0.38
- Leakage Current (Line-to-Ground) Max. @ 120 VAC 60 Hz (mA) = 0.22

Termination Features:

- [Terminal Input - Output Combination](#) = IEC - 1/4" Faston

Body Features:

- [Mount Style](#) = Flanged
- Terminal Style Output = Right Angle

Industry Standards:

- [RoHS/ELV Compliance](#) = RoHS compliant, ELV compliant
- [Lead Free Solder Processes](#) = Not relevant for lead free process
- 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 = Yes
- Need Optional Switch, Fusing, Or Voltage Selector = No

Operation/Application:

- [Application](#) = General Purpose

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 22.2, # 8
 VDE APPROVED: VDE 565-3

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 10 AMP, 120/250 VAC,
 10 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND:
 0.22 mA @ 120V 60Hz
 0.38 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r .

IN AN AMBIENT, T_0 , HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_0 , IS AS FOLLOWS:

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

RELIABILITY SPECIFICATIONS:

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

TEST SPECIFICATIONS:

INDUCTANCE: 0.35 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.0053 μ F ±20%
 LINE TO LINE: 0.0105 μ F ±20%
 DISCHARGE RESISTOR: 1.5 M Ω
 L/G AND L/L I.R.
 NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC,
 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

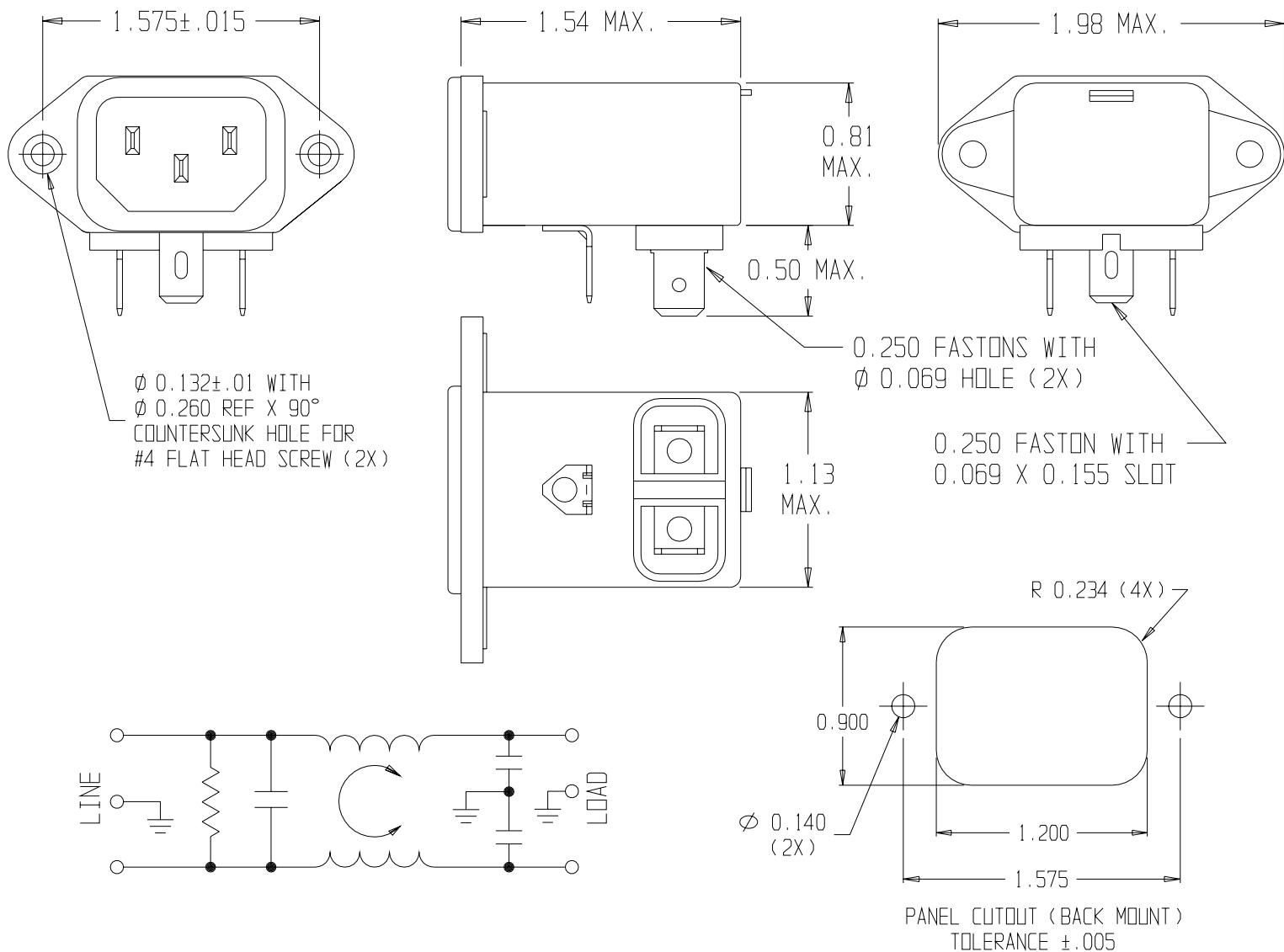
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
 LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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

CATALOG # 10EEA2

ECN #	APPRVD.	DATE



50 Ω - 50 Ω (MINIMUM) INSERTION LOSS										
FREQUENCY MHz	.05	.10	.15	.50	1	1.5	5	10	30	
COMMON dB	1	3	5	14	20	-	32	38	47	
DIFF. dB				1	4	5	5	30	40	

THIRD ANGLE PROJECTION

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

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corcom
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POWER LINE FILTER

CAD FILE: C:\CK\CD\10EEA200
 SCALE: NTS DATE: 9/19/96 CATALOG NO.
 DRW. BY: JF ORIG: KAW

10EEA2 REV. **00**