

6EEA2 Product Details

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6EEA2

TE Internal Number: 6609000-8

 Active

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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

[View all Features](#)

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Documentation & Additional Information

Product Drawings:

- [CUSTOMER DRAWING 6EEA2](#) (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)

[List all Documents](#)

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 \(A\)](#) = 6
- [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

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

Body Features:

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

Other:

- Brand = Corcom

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Keep Me Informed

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: 6 AMP, 120/250 VAC,
6 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, T₀, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I₀, 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: 0.465 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0053 µF ±20%
LINE TO LINE: 0.0105 µF ±20%
DISCHARGE RESISTOR: 1.5 MΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC,
20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

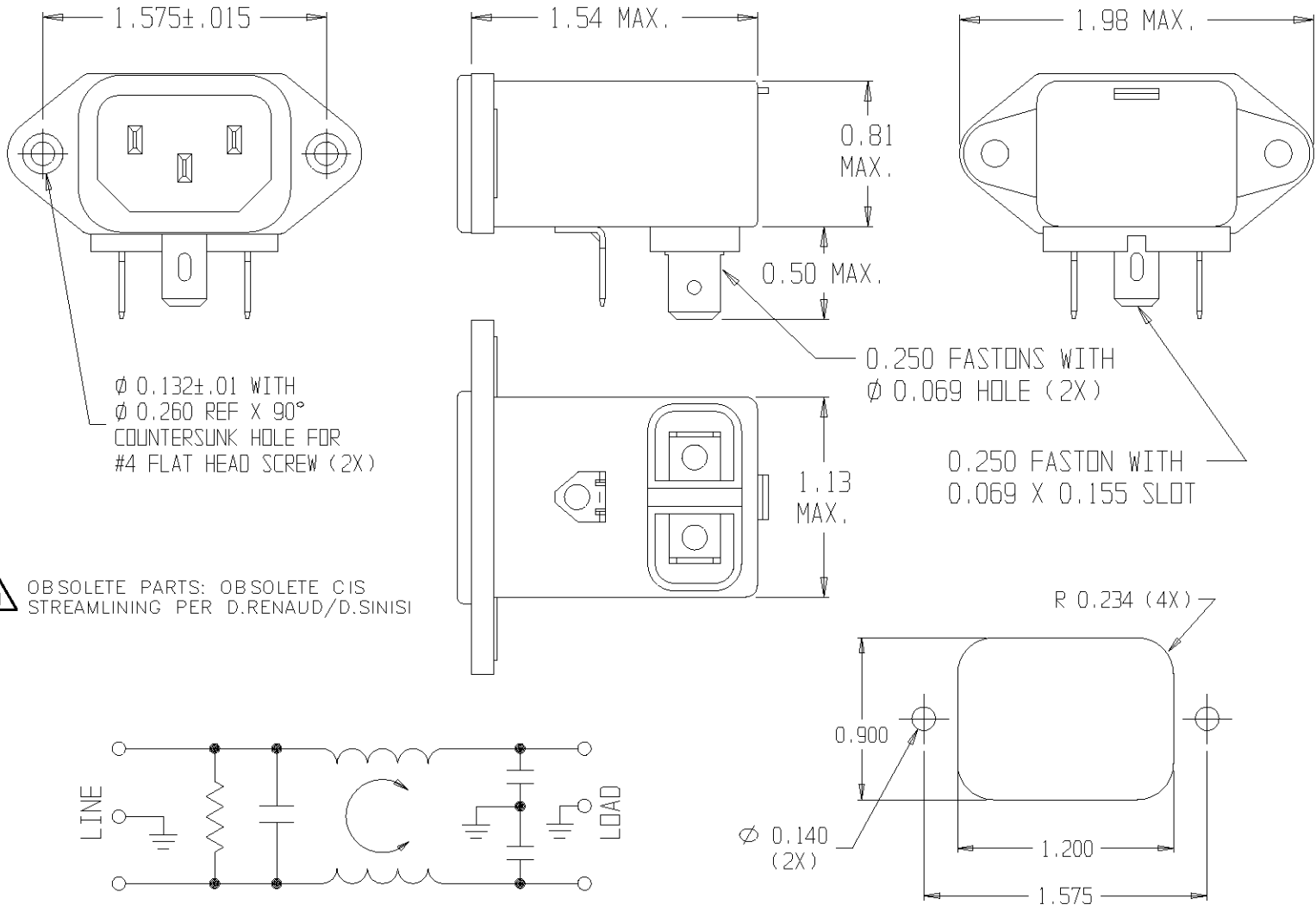
LINE TO GROUND: 1500VAC OR 2250VDC FOR 1 MINUTE
LINE TO LINE: 1450VDC FOR 1 MINUTE

FILTER APPROVAL:

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

CATALOG # 6EEA2

ECN #	APPROV DATE
ECO-09-026495	AEG 11DEC09



⚠ OBSOLETE PARTS: OBSOLETE CIS STREAMLINING PER D.RENAUD/D.SINISI

⚠ OBSOLETE 6609000-8 1609000-8

PANEL CUTOUT (BACK MOUNT)
TOLERANCE ±.005

50Ω - 50Ω (MINIMUM) INSERTION LOSS	
FREQUENCY MHz	
.05	.10
.15	.50
1	1.5
3	5
10	30
COMMON dB	
1	4
10	22
28	-
-	-
42	48
47	
DIFF. dB	
2	4
6	6
24	40
40	

THIRD ANGLE PROJECTION

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

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POWER LINE FILTER

CAD FILE: C:\CK\CON\6EEA200	DATE: 9/18/96	CATALOG NO.
SCALE: NTS	DRW. BY: JF	REV. A 1
	ORIG: KAW	6EEA2