10VW1 Product Details



10VW1

TE Internal Number: 6609044-3

Active

EMI/RFI Filters and Accessories

Always EU RoHS/ELV Compliant (Statement of Compliance)

Product Highlights:

- Filter - EMI/RFI
- Filter Type = Power Line
- W (3-20 Amp) Series
- High Noise Industrial Application
- Mount Style = Flanged

Documentation & Additional Information

Product Drawings:
- CUSTOMER DRAWING 10VW1 (PDF, English)

Catalog Pages/Data Sheets:
- 1-1654250-1_CORCOM_EMI_RFI_QRG (PDF, English)
- 1654001_CORCOM_PRODUCT_GUIDE_V_W_SERIES (PDF, English)

Product Specifications:
- None Available

Application Specifications:
- None Available

Instruction Sheets:
- None Available

CAD Files: (CAD Format & Compression Information)
- 2D Drawing (DXF, Version C)
- 3D Model (IGES, Version C)
- 3D Model (STEP, Version C)

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 = W (3-20 Amp)
- Filtered = Yes

Electrical Characteristics:
- Current Rating (A) = 10
- Voltage ≤ (VAC) = 250
- Leakage Current (Line-to-Ground) Max. @ 250 VAC 50 Hz (mA) = 0.82

Termination Features:
- Terminal Input - Output Combination = 1/4" Faston - 1/4" Faston

Body Features:
- Mount Style = Flanged

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 = UL Recognized, VDE Approved, 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 = High Noise Industrial

Other:
- Brand = Corcom

CUSTOMER DRAWING		
CATALOG #	10VW1	
ECN#	APPRVD	DATE
12-016066	TAM	20SEP12

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: 10 AMP/40°C 120/250 VAC, 50-60Hz
10 AMP/40°C, 250 VAC, 50-60Hz

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.5mA @ 120V 60Hz
1.2mA @ 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:

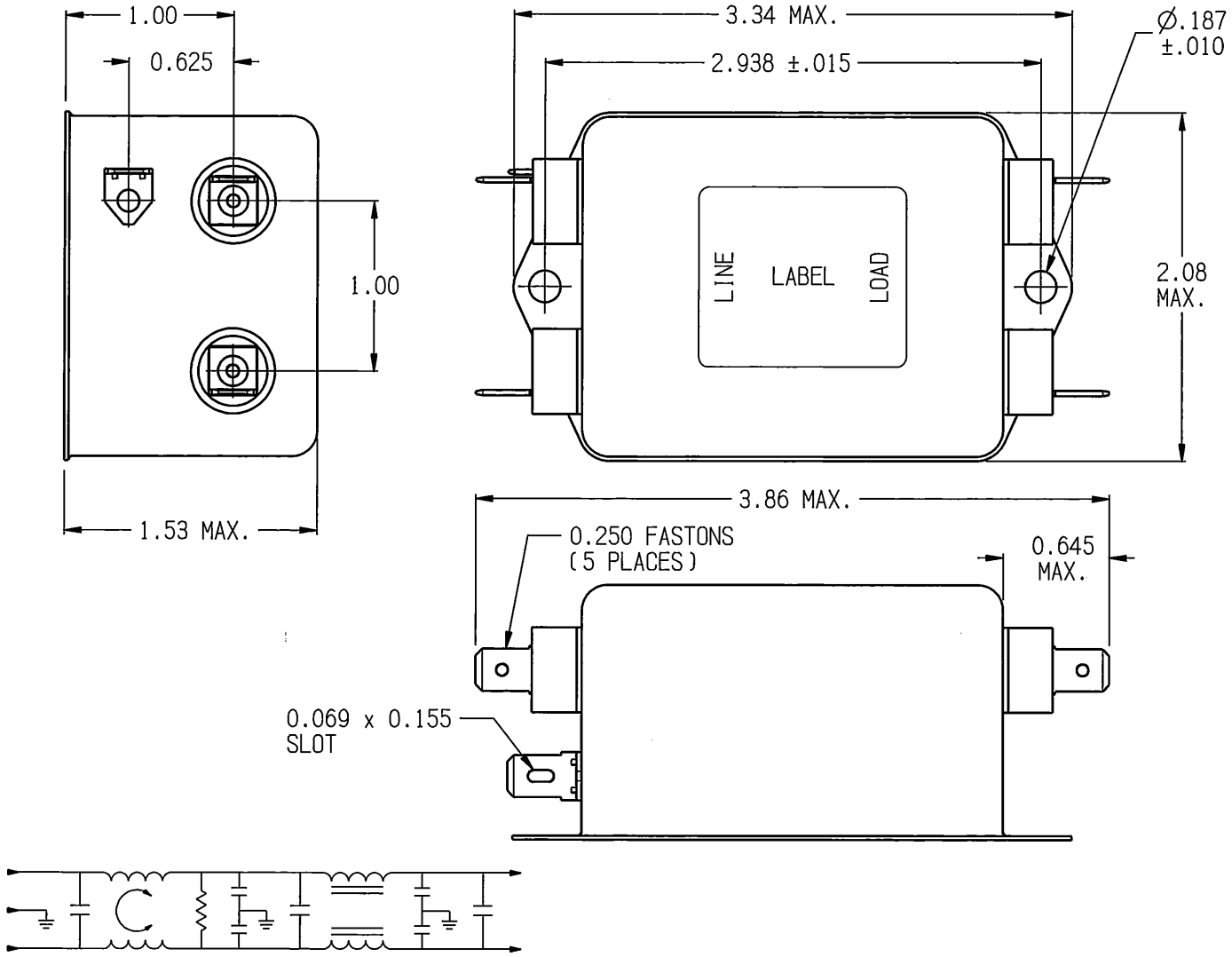
INDUCTANCE: 1.2 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: .013 µF±20%
LINE TO LINE: .813 µF±20%
DISCHARGE RESISTOR: 330K Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC FOR 1 MINUTE
LINE TO LINE: 1450 VDC 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.



50Ω - 50Ω (MINIMUM) INSERTION LOSS												
FREQUENCY MHz	.15	.2	.5	1	2	5	10	20	30	/	/	/
COMMON dB	18	21	30	34	50	65	65	63	52	/	/	/
DIFF. dB	25	25	65	65	65	65	60	45	45	/	/	/

PARTS SHALL COMPLY WITH TYCO ELECTRONICS 138-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.025
MATERIAL & FINISH: AS SUPPLIED
DIMENSIONS IN INCHES

NOTES:

TE Connectivity

POWER LINE FILTER

TE PART NO.: 6609044-3

SCALE:	DATE:	DRAWING NUMBER:	REV.
1:1	12SEP89	10VW1	J
DRW. BY: LJD	DRIG: CW		

SHEET SIZE A | THIRD ANGLE PROJECTION

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