

# 20VR1

## SAFETY ORGANIZATION(S):

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  
CSA CERTIFIED  
VDE APPROVED

UL 1283  
CSA 22.2, NO.0,0.4,8  
VDE 565-3

## RELIABILITY SPECIFICATIONS:

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

## TEST SPECIFICATIONS:

INDUCTANCE: .88 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)  
LINE TO GROUND: .011 µF ±20%  
LINE TO LINE: .303 µF ±20%  
DISCHARGE RESISTOR: 680KΩ  
LINE/GROUND AND LINE/LINE: 6000MΩ (MIN) AT 100VDC  
INSULATION RESISTANCE: 20°C AND 50% RH

## OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT: 20 AMP, 120/250 VAC  
16 AMP./40°C, 250 VAC  
LINE FREQUENCY: 50-60Hz

MAX. LEAKAGE CURRENT, EACH: .5 mA AT 120V 60Hz  
LINE TO GROUND: .83 mA at 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I<sub>r</sub>

IN AN AMBIENT, T<sub>a</sub>, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I<sub>o</sub>, IS AS FOLLOWS:

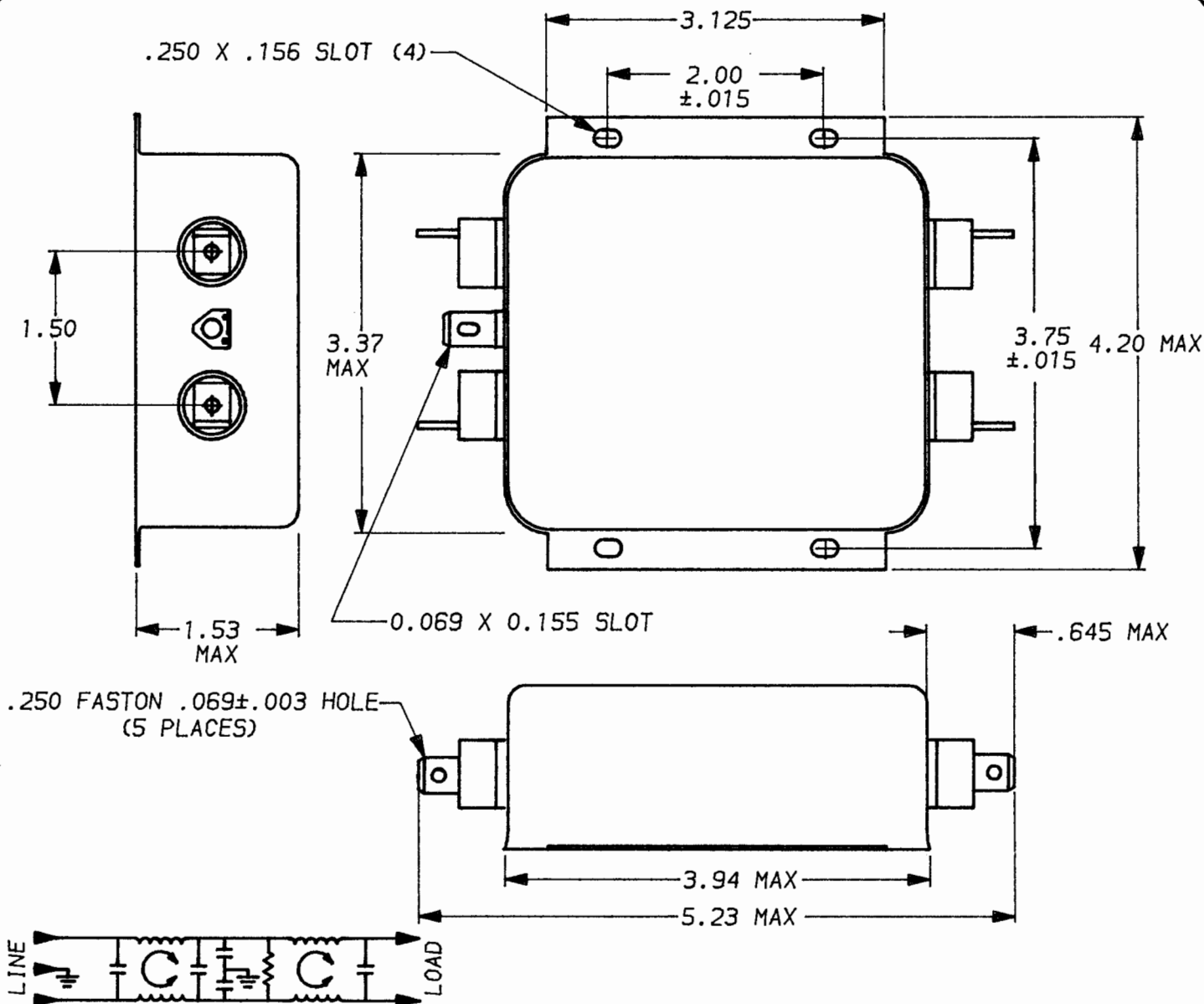
$$I_o = I_r \sqrt{\frac{85 - T_a}{45}}$$

## RECOMMENDED RECEIVING INSPECTION HIPOT:

LINES TO GROUND: 2250 VDC 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	.3	.5	1	2	5	10	20	30	/	/
COMMON dB	11	33	50	65	65	65	65	62	60	/	/
DIFF. dB	3	3	15	65	65	65	60	52	52	/	/

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025  
MATERIAL & FINISH: AS SUPPLIED  
This document is proprietary to CORCOM INC. and is not to be reproduced nor used for manufacturing purposes except on CORCOM'S prior written consent.

**corcom**  
LIBERTYVILLE, IL 60048

**POWER LINE FILTER**

DATE: 9-15-93 CATALOG NO.  
APPRVD: TAM **20VR1**  
CAD NO. **20VR1.07**

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Power Line Filters](#) category:*

*Click to view products by [TE Connectivity](#) manufacturer:*

Other Similar products are found below :

[6609019-3](#) [6609026-5](#) [6609030-6](#) [6609973-2](#) [D30A](#) [7-1609090-5](#) [F2810](#) [F4456A](#) [F7382Z](#) [F7863Z](#) [FAHAV3100ZC000](#) [806276](#) [FN2020B-1-06](#) [FN2080B-10-06](#) [FN2410H-32-33](#) [FN2410H-80-34](#) [FP144](#) [FS4153-20-06](#) [FS4353-500-99](#) [12-MMB-030-11-D](#) [DB4-393](#) [15811T200](#) [20B1](#) [LC630](#) [2B1](#) [1609080-2](#) [1609993-8](#) [1-6609070-1](#) [F1100AA02](#) [F1150CC10](#) [F1500CA10](#) [F1500CA15](#) [F4041Z](#) [F7585E](#) [1B1](#) [FN2070A-16-06](#) [FN2090A-20-06](#) [FN2090B-12-06](#) [FN2090Z-1-06](#) [FN2410H-25-33](#) [FN2410H-60-34](#) [FN2410H-8-44](#) [FN2412H-8-44](#) [FN323B-6-01](#) [FN610R-3-06](#) [20EHQ7](#) [20EHZ7](#) [20K1](#) [30B6](#) [3K1](#)