

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

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT:  
6 AMP., 120/250 VAC  
5 AMP./40°C, 250 VAC  
50-60Hz  
40°C  
0.5mA at 120V 60 Hz  
1.0 mA at 250V 50 Hz  
-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 RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

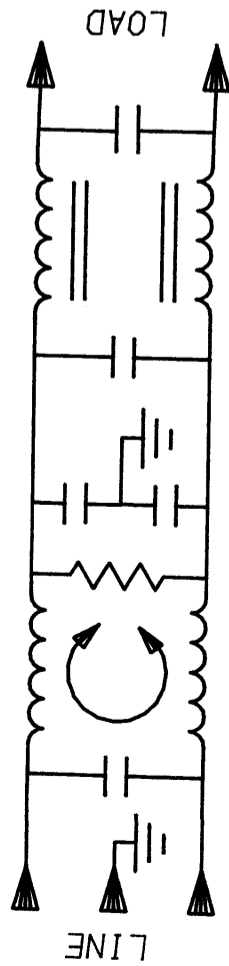
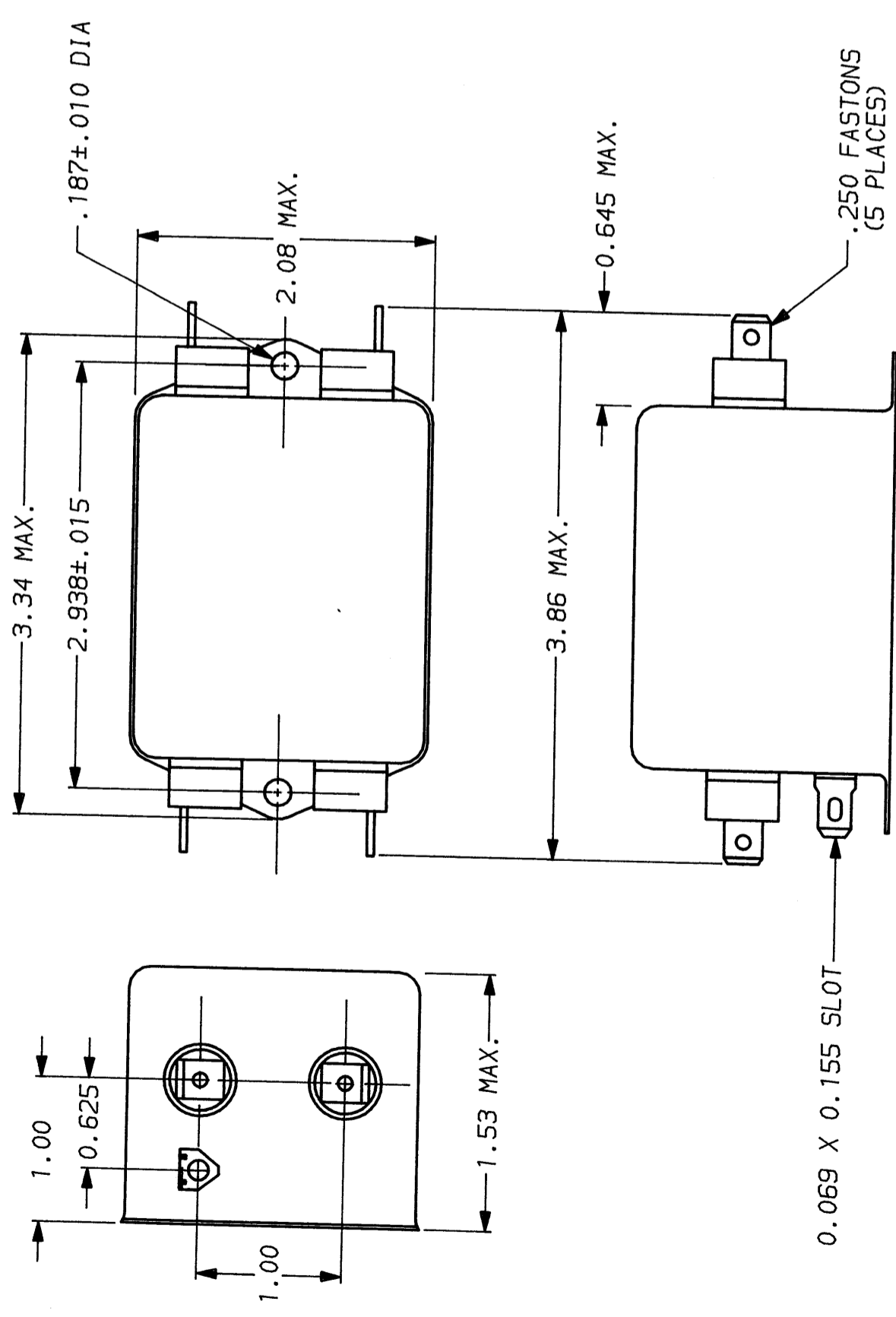
INDUCTANCE: 1.8 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C)  
LINE TO GROUND: .011µF ±20%  
LINE TO LINE: .813µF ±20%  
DISCHARGE RESISTOR: 330 KΩ  
LINE/GROUND AND LINE/LINE INSULATION RESISTANCE (W/O DISCHARGE RESISTOR): 6000 MΩ (MIN) AT 100 VDC 20°C AND 50% RH

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.



FREQUENCY MHz	.15	.5	1	2	5	10	20	30
COMMON dB	20	33	45	53	65	55	50	48
DIFF. dB	40	65	65	65	65	60	57	55

50Ω - 50Ω (MINIMUM) INSERTION LOSS

This document is proprietary to CORCOM INC. and is not to be reproduced nor used for manufacturing purposes except on CORCOM's order or prior written consent.

TOLERANCE EXCEPT AS NOTED  
DECIMAL: .XXX .XX .X ANGLES ± 1°  
ENGLISH: ±.025  
METRIC: ±  
MATERIAL: AS SUPPLIED

FINISH: AS SUPPLIED



POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	9-12-89	6VV1	06
DRW. BY	ORIGINATOR		
TDL	CW		

# Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[6VV1](#)