ECN #	APPRVD.	DATE
0631-0174-03	PJO	05MAY03

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: EN 133 200

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 6 AMP 120/250VAC
6 AMP/40°C, 250VAC

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_a, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I_o, IS AS FOLLOWS: $I_o = I_r \sqrt{\dfrac{85 - T_a}{45}}$

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: 0.465 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0059 µF ±20%
LINE TO LINE: 0.1015 µF ±20%
DISCHARGE RESISTOR: 1.5M Ω
L/G AND L/L I.R.
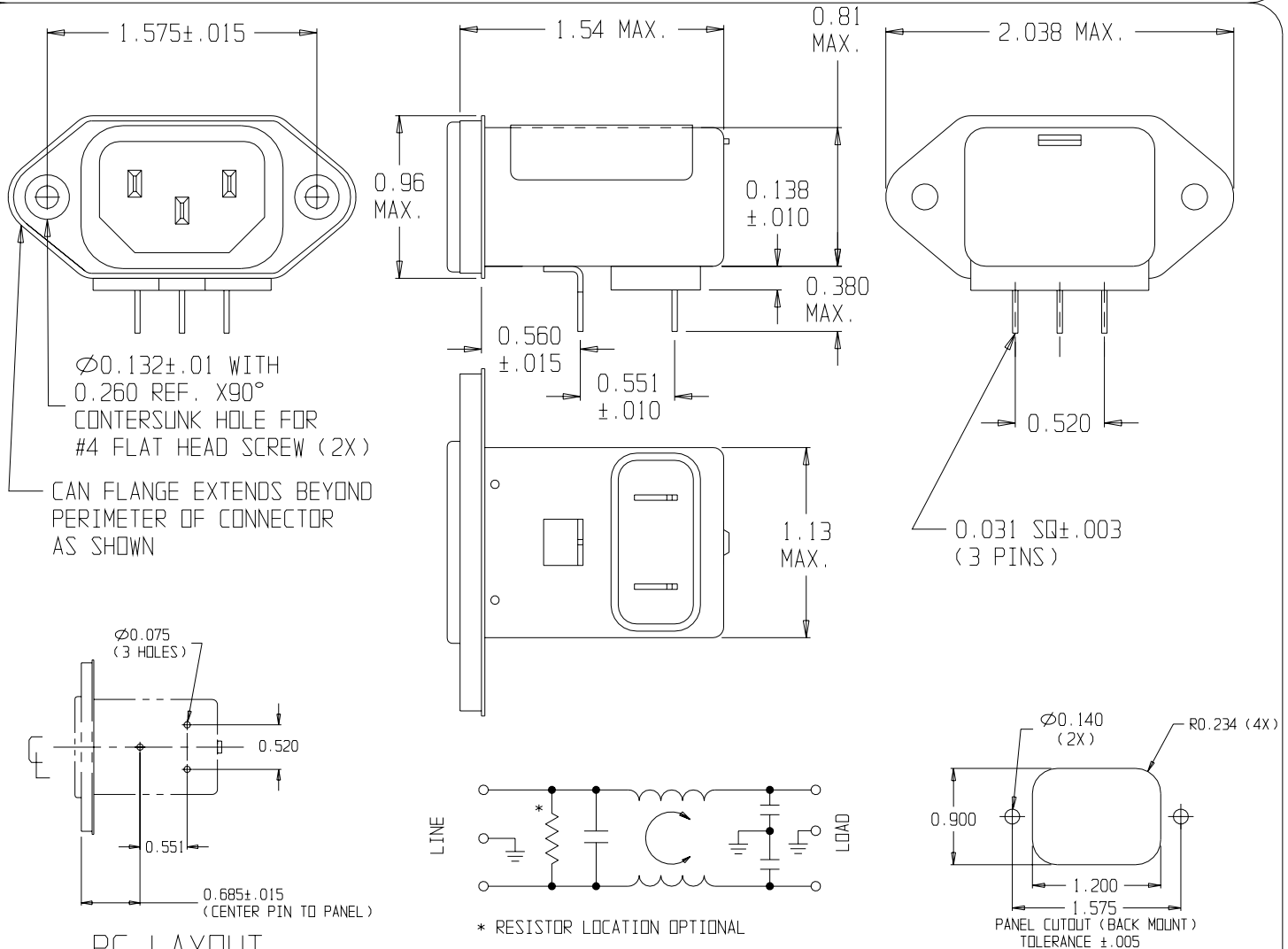NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 1500 VAC OR 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.

1.575±.015

∅0.132±.01 WITH 0.260 REF. X90° COUNTERSUNK HOLE FOR #4 FLAT HEAD SCREW (2X)

CAN FLANGE EXTENDS BEYOND PERIMETER OF CONNECTOR AS SHOWN

1.54 MAX.

0.81 MAX.

0.96 MAX.

0.138 ±.010

0.380 MAX.

0.560 ±.015

0.551 ±.010

1.13 MAX.

2.038 MAX.

0.520

0.031 SQ±.003 (3 PINS)

∅0.075 (3 HOLES)

0.520

0.551

0.685±.015 (CENTER PIN TO PANEL)

PC LAYOUT

LINE

LOAD

* RESISTOR LOCATION OPTIONAL

∅0.140 (2X)

R0.234 (4X)

0.900

1.200

1.575

PANEL CUTOUT (BACK MOUNT) TOLERANCE ±.005

50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.01	.05	.10	.15	.50	1	3	5	10	30		
COMMON dB	-	1	5	9	21	28	40	41	44	54		
DIFF. dB	-	-	5	8	17	21	21	32	40	40		

THIRD ANGLE PROJECTION

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

tyco / Electronics Corcom
844 E. ROCKLAND RD. LIBERTYVILLE IL 60048

POWER LINE FILTER

CAD FILE: G:\CD\6EEJP02	TYCO # 2-1609006-1	
SCALE: NTS	DATE: 02-20-02	CATALOG NO.
DRW. BY: PJO	ORIG: PJO	6EEJP

REV. 2