

**CUSTOMER DRAWING**

**CATALOG # 20EEJ8**

EC #	APPRVD.	DATE
08-000544	PJD	08JAN08

**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, # 0,0,4,8
- VDE APPROVED: EN 60939-2

**OPERATING SPECIFICATIONS**

LINE CURRENT/VOLTAGE: 20 AMP, 120/250 VAC,  
16 AMP/40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,  
EACH LINE TO GROUND: 0.20 mA @120V 60Hz  
0.40 mA @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:

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

**RELIABILITY SPECIFICATIONS:**

STORAGE TEMPERATURE: -40°C TO +85°C  
HUMIDITY: 21 DAYS @ 40°C 95% RH.  
CURRENT OVERLOAD TEST: 6 TIMES I<sub>r</sub> FOR 8 SECONDS

**TEST SPECIFICATIONS:**

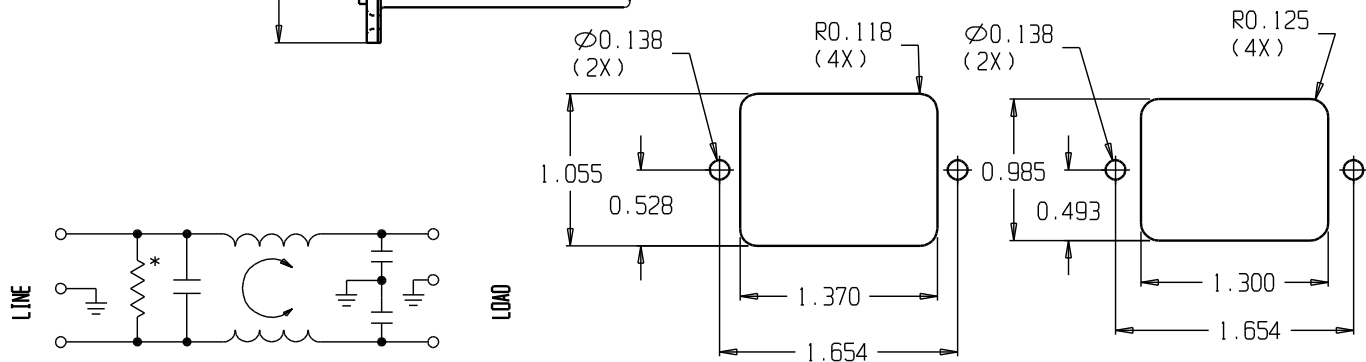
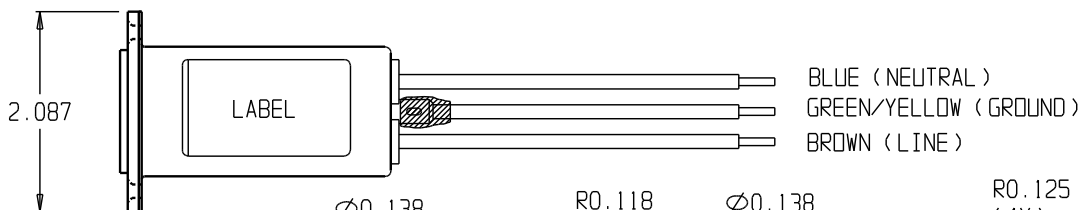
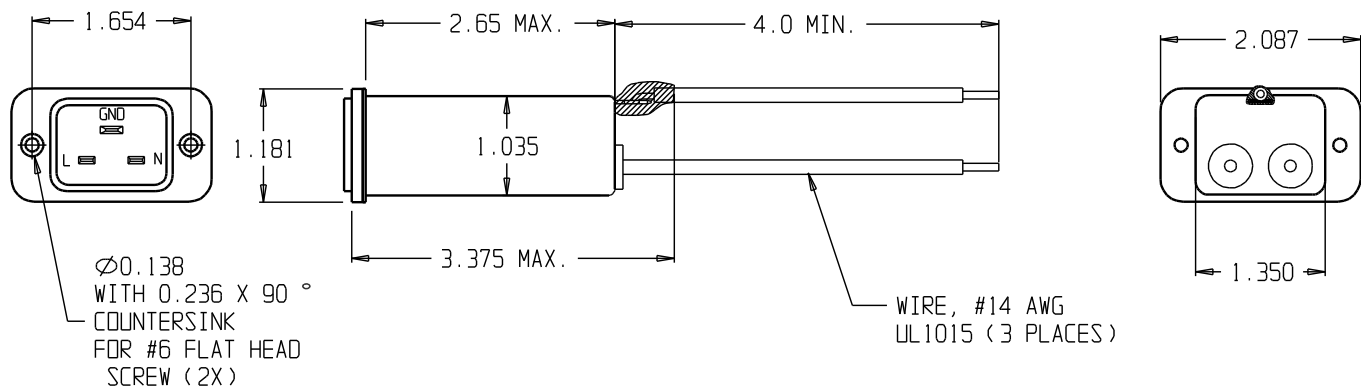
INDUCTANCE: 0.306 mH NOMINAL  
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
LINE TO GROUND: 0.005524µF ±20%  
LINE TO LINE: 0.1014 µF ±20%  
DISCHARGE RESISTOR: 1.0M Ω  
L/G AND L/L I.R.:  
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

**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.



\* RESISTOR LOCATION OPTIONAL

PANEL CUTOUT (FRONT MOUNT)  
TOLERANCE +/- 0.005

PANEL CUTOUT (REAR MOUNT)  
TOLERANCE +/- 0.005

**50Ω - 50Ω (MINIMUM) INSERTION LOSS**

FREQUENCY MHz	0.1	.15	.5	1	3	5	10	30			
COMMON dB	3	5	14	21	27	30	33	42			
DIFF. dB		2	17	25	30	27	35	48			

THIRD ANGLE PROJECTION

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

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**Tyco Electronics**

CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEIN IL 60060

**POWER LINE FILTER**

TYCO ELECTRONICS PART NO. 0-6609007-6		CATALOG NO. 20EEJ8	REV. 3
SCALE: NTS	DATE: 04APRO3		
DRW. BY: PJD	DRG: PJD		