

CUSTOMER DRAWING

CATALOG # 60DBJ8

ECN #	APPRVD.	DATE
09-022309	<i>[Signature]</i>	02OCT09

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
 TUV LICENSED: EN 60950

OPERATING SPECIFICATIONS

LINE CURRENT/VOLTAGE: 60 AMP, 150 VDC 55°C (UL & CSA)
 60 AMP, 120 VDC 55°C (TUV)

LINE FREQUENCY: 0 Hz

MAXIMUM LEAKAGE CURRENT,
 EACH LINE TO GROUND: NOT APPLICABLE

OPERATING AMBIENT TEMP. RANGE: -10°C TO +55°C @ RATED CURRENT, I_r.

IN AN AMBIENT, T₀, HIGHER THAN 40°C, THE MAXIMUM OPERATING CURRENT, I₀, IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{100 - T_0}{45}}$$

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:

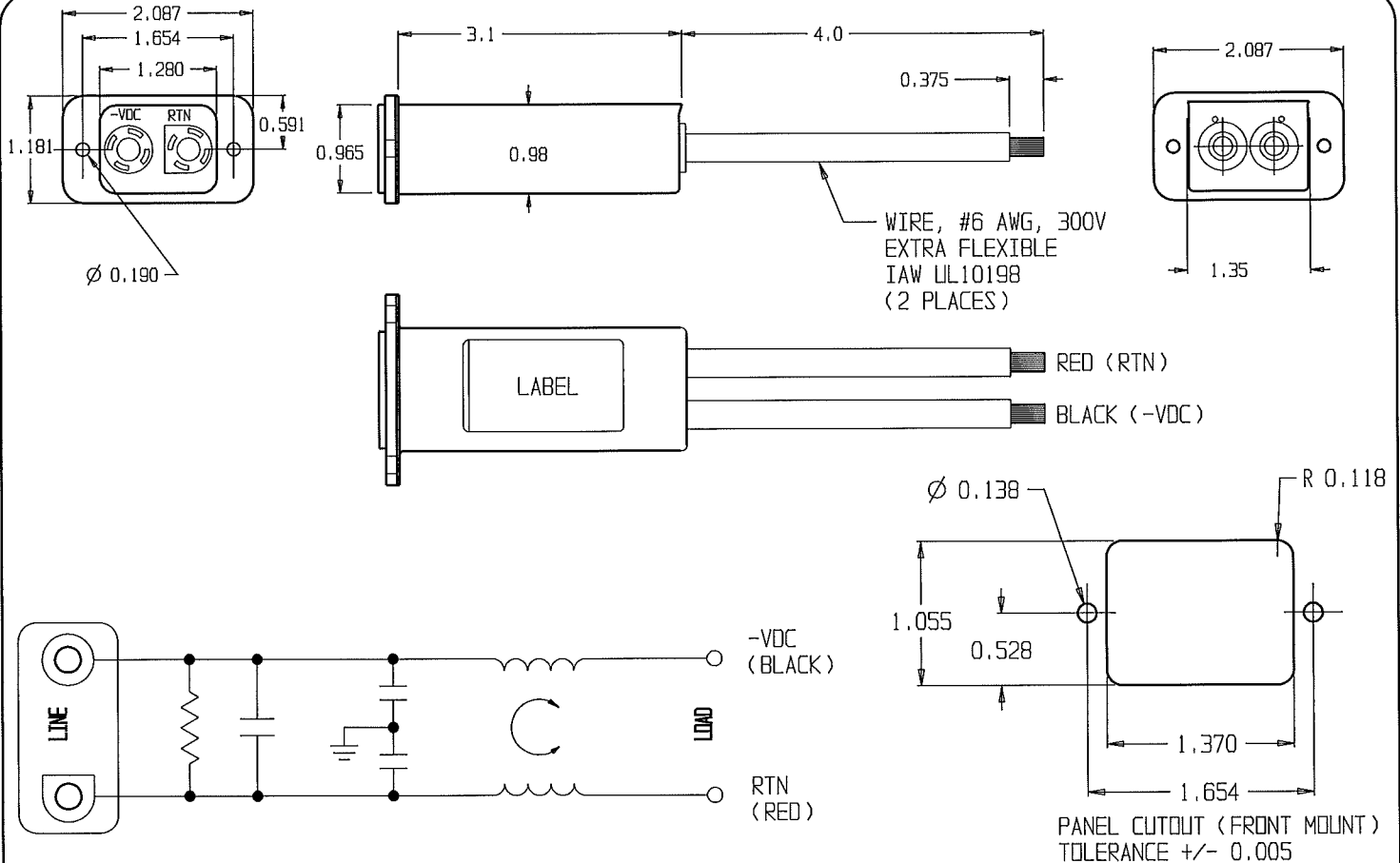
INDUCTANCE: 0.002 mH NOMINAL
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
 LINE TO GROUND: 0.0066 μF ±20%
 LINE TO LINE: 0.1017 μF ±20%
 DISCHARGE RESISTOR: 1.5M Ω
 L/G AND L/L I.R.: NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 2121 VDC FOR 1 MINUTE
 LINE TO LINE: 1788 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.



NOTE

NOT RECOMMENDED FOR HOT SWAP APPLICATIONS
 NOT RECOMMENDED FOR CURRENT INTERRUPTING

50Ω - 50Ω (MINIMUM) INSERTION LOSS										THIRD ANGLE PROJECTION		Tyco Electronics CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEIN IL 60060						
FREQUENCY MHz	.1	.15	.5	1.0	5.0	10	20	30	50	100	UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED		POWER LINE FILTER					
COMMON dB				1	13	21	30	40	30	20	THIS INFORMATION IS CONFIDENTIAL AND PROPRIETARY TO TYCO ELECTRONICS CORPORATION AND ITS WORLDWIDE SUBSIDIARIES AND AFFILIATES. IT MAY NOT BE DISCLOSED TO ANYONE OTHER THAN TYCO ELECTRONICS PERSONNEL, WITHOUT WRITTEN AUTHORIZATION FROM TYCO ELECTRONICS CORPORATION, HARRISBURG, PENNSYLVANIA USA		TYCO ELECTRONICS PART NO. : 4-1609075-6	SCALE: NTS	DATE: 13MAR06	CATALOG NO. 60DBJ8	REV. 5	
DIFF. dB	5	8	19	26	34	26	20	16					DRW. BY: PJD	DRG: PJD				