

**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<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:

$$I_o = I_r \sqrt{\frac{100 - T_a}{45}}$$

**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: 0.34 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C ± 1°C)  
 LINE TO GROUND: 0.094 μF ± 20%  
 LINE TO LINE: 4.4 μF ± 20%  
 DISCHARGE RESISTOR: 165k Ω  
 L/G AND L/L I.R.  
 NO DISCHARGE RESISTOR: 6000Ω (MIN.) @ 100VDC, 20°C AND 50% RH

**RECOMMENDED RECEIVING INSPECTION HIPOT:**

LINE TO GROUND: 2121 VDC FOR 1 MINUTE  
 LINE TO LINE: 1768 VDC FOR 1 MINUTE

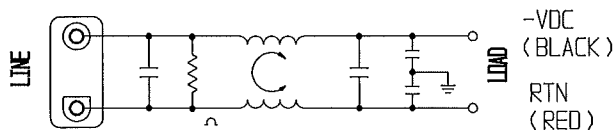
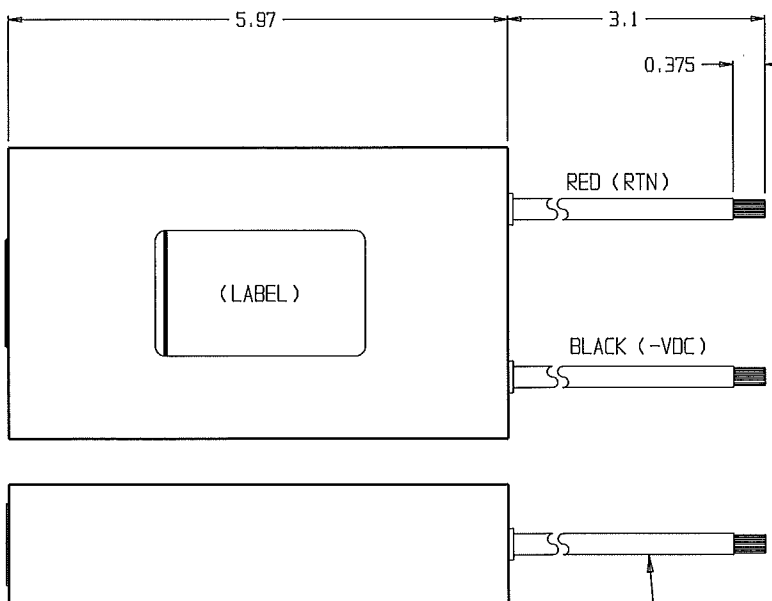
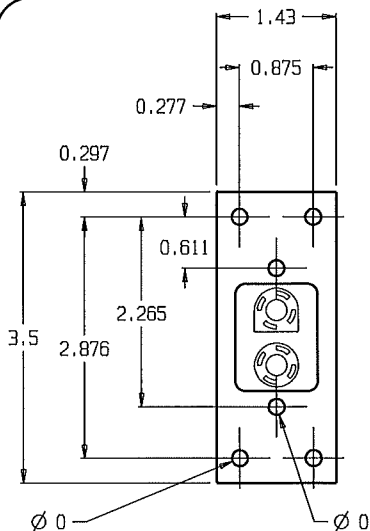
**FILTER APPROVAL:**

THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

**CUSTOMER DRAWING**

**CATALOG # 60DBX8**

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



WIRE, #6AWG 300V  
 EXTRA FLEXIBLE  
 IAW UL10198  
 (2 PLACES)

**NOTE**

NOT RECOMMENDED FOR HOT SWAP APPLICATIONS  
 NOT RECOMMENDED FOR CURRENT INTERRUPTING

50Ω - 50Ω (MINIMUM) INSERTION LOSS										THIRD ANGLE PROJECTION		 CORCON PRODUCTS, 620 S. BUTTERFIELD RD. HUNDELEIN IL 60060 <b>POWER LINE FILTER</b>		
FREQUENCY MHz	.05	.10	.15	0.5	1.0	3.0	5.0	10	20	30	UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED <small>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</small>			
COMMON dB		10	16	40	48	54	60	51	40	36				
DIFF. dB	31	30	30	70	70	54	50	60	54	50	TYCO ELECTRONICS PART NO. : 4-1609075-7 SCALE: NTS DATE: 13MAR06 DRW. BY: PJO DRIG: PJO	CATALOG NO. <b>60DBX8</b>	REV. <b>5</b>	