

CUSTOMER DRAWING		
CATALOG # 20ERK1		
EC #	APPRVD.	DATE
08-004181	PJD	20FEB08

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 (TRACEABLE TO F4342)
- CSA CERTIFIED: CSA 22.2, # 0,0.4,8 (TRACEABLE TO F4342)
- VDE APPROVED: EN 133 200 (TRACEABLE TO F4342)

OPERATING SPECIFICATIONS

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

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.16 mA @ 120V 60Hz
0.28 mA @ 250V 50Hz

OPERATING AMBIENT TEMP. RANGE: -10°C TO +40°C @ RATED CURRENT, I_r.

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

$$I_0 = I_r \sqrt{\frac{100 - T_0}{60}}$$

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:

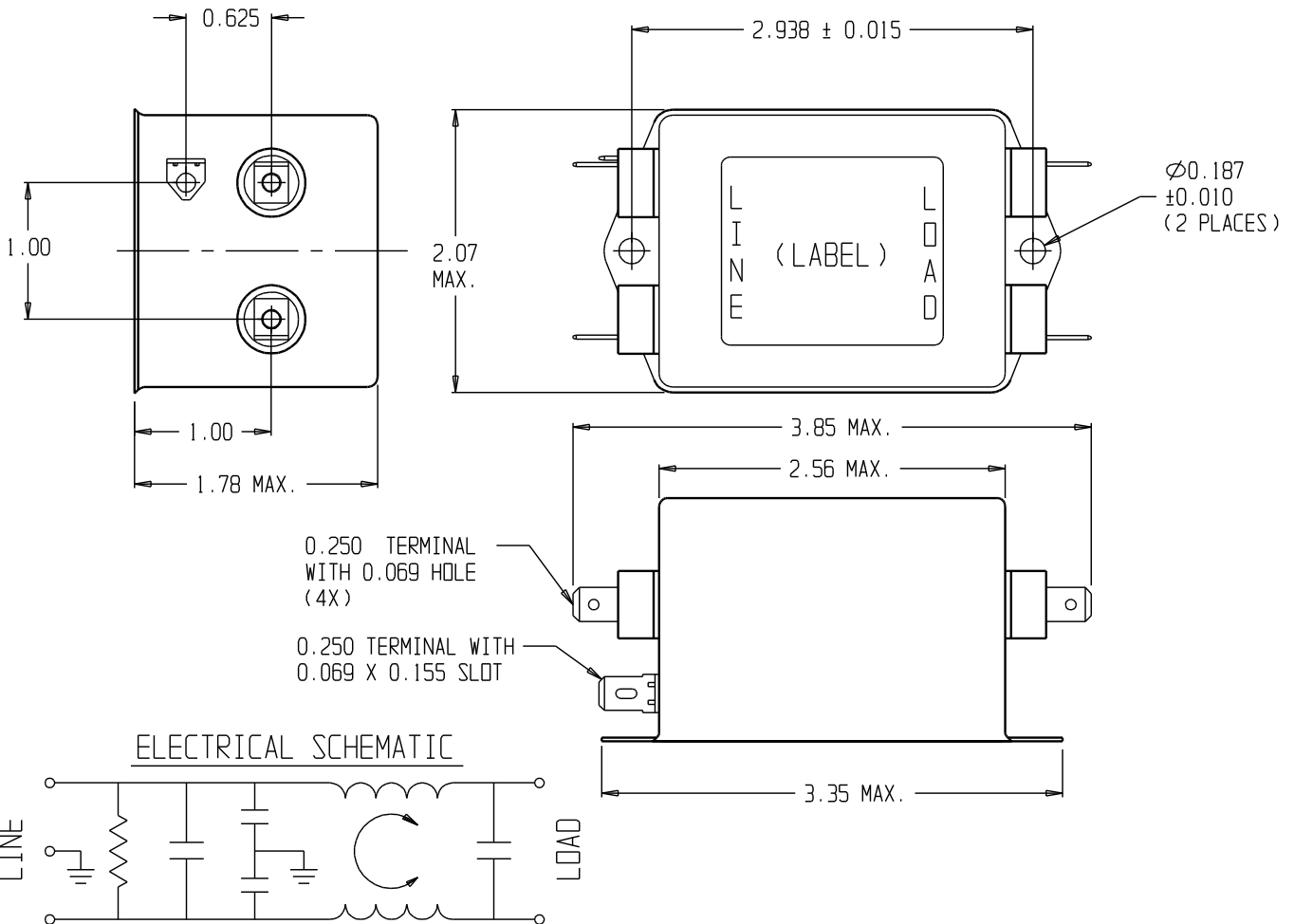
INDUCTANCE: 4.55 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: 0.0044 μF ±20%
LINE TO LINE: 0.741 μF ±20%
DISCHARGE RESISTOR: 470K Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000MΩ (MIN.) @ 100VDC, 20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINE TO GROUND: 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.



SHALL COMPLY WITH TYCO ELECTRONICS 230-702 SPECIFICATION FOR HAZARDOUS SUBSTANCES

50Ω - 50Ω (MINIMUM) INSERTION LOSS											THIRD ANGLE PROJECTION		 CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUNDELEIN IL 60060			
FREQUENCY MHz	.05	.10	.15	.50	1.0	2.0	5.0	10	20	30	UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025		POWER LINE FILTER			
COMMON dB	19	25	29	34	36	38	40	41	43	52	MATERIAL & FINISH: AS SUPPLIED		TYCO ELECTRONICS PART NO. 2-1609089-7			
DIFF. dB	16	19	16	54	74	90	74	67	61	54	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		SCALE: NTS	DATE: 01FEB06	CATALOG NO. 20ERK1	REV. 3
											DRW. BY: JF		ORIG: PJD			