

### 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 60939-2

### OPERATING SPECIFICATIONS

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

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:

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

### RELIABILITY SPECIFICATIONS:

STORAGE TEMPERATURE: -40°C TO +85°C  
 HUMIDITY: 21 DAYS @ 40°C 95% RH.  
 CURRENT OVERLOAD TEST: 6 TIMES  $I_r$  FOR 8 SECONDS

### TEST SPECIFICATIONS:

INDUCTANCE: 0.465 mH NOMINAL  
 CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)  
 LINE TO GROUND: 0.0058 µF ±20%  
 LINE TO LINE: 0.0485 µF ±20%  
 DISCHARGE RESISTOR: 1.5 MΩ  
 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: 1500VAC OR 2250VDC FOR 1 MINUTE  
 LINE TO LINE: 1450VDC FOR 1 MINUTE

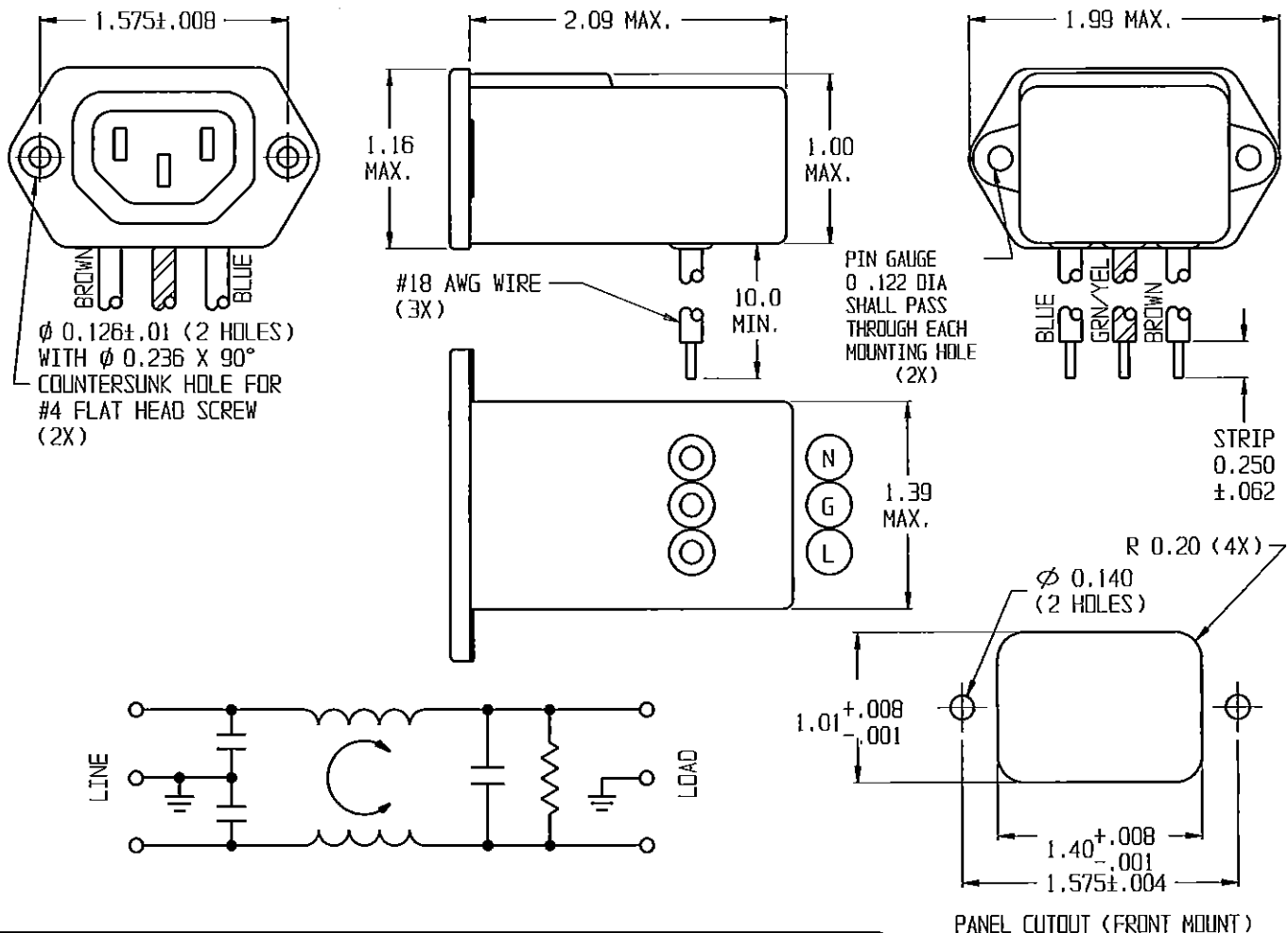
### FILTER APPROVAL:

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

CUSTOMER DRAWING

CATALOG # 6EBF4

ECN #	APPRD.	DATE
13-019328	TAM	10DEC13



THIS FILTER LINE AND LOAD ARE REVERSED; THE SOCKET IS LOAD.

50Ω-50Ω (MINIMUM) INSERTION LOSS										THIRD ANGLE PROJECTION		TE Connectivity			
FREQUENCY MHz	.05	.10	.15	.50	1	3	5	10	30			CORCON PRODUCTS, 620 S. BUTTERFIELD RD. MUNDLEIN IL 60060			
COMMON dB	1	4	10	22	28	-	42	48	47			POWER LINE FILTER			
DIFF. dB		1	2	10	14	20	33	42	40			TYCO ELECTRONICS PART NO. 6609018-6			
UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025 MATERIAL & FINISH: AS SUPPLIED											SCALE: NTS	DATE: 09SEP96	CATALOG NO. 6EBF4	REV. D	
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