

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: 3 AMP/40°, 120/250VAC

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND:

2.0μ A @ 120V, 60Hz
5.0μ A @ 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: 1.99mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C±1°C)
LINE TO GROUND: N/A
LINE TO LINE: 0.10μF ±20%
DISCHARGE RESISTOR: 1.5MΩ
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:

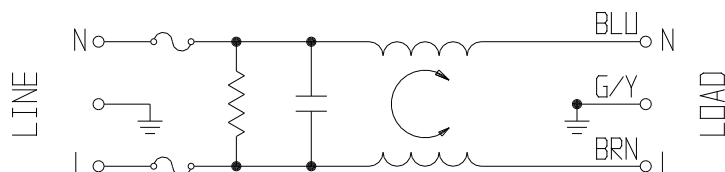
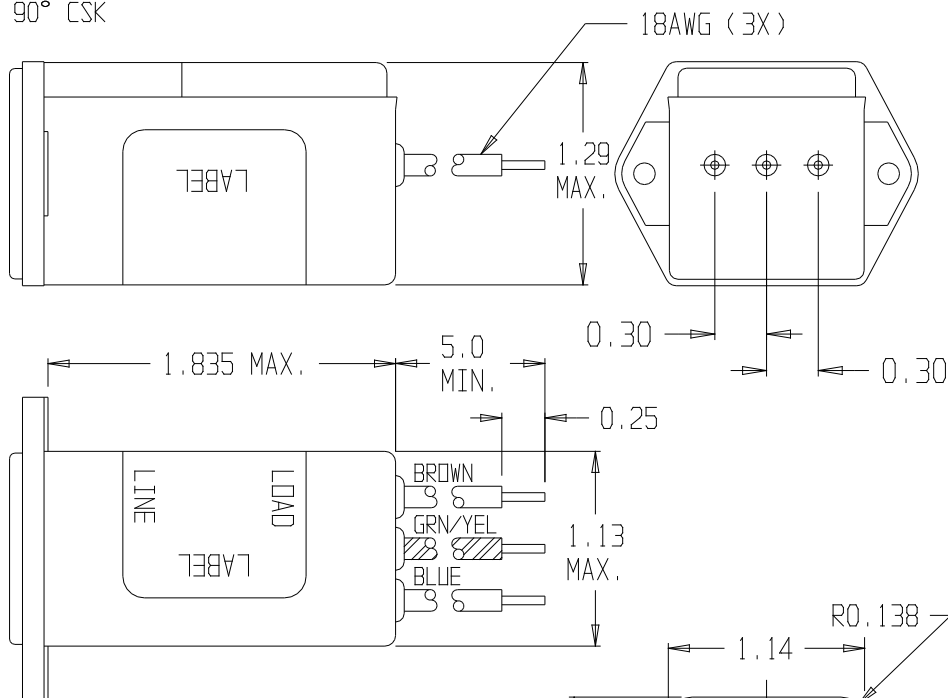
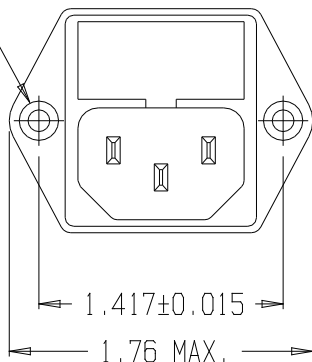
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

CUSTOMER DRAWING

CATALOG # 3EHG8-2

ECN #	APPRVD.	DATE
	TAM	24APR08

Ø 0.126±0.01 WITH Ø 0.228 REF X 90° CSK
HOLE FOR #4 FH SCREW



FUSE: 5mm X 20mm (2X)

50Ω - 50Ω (MINIMUM) INSERTION LOSS

FREQUENCY MHz	0.05	0.10	0.15	0.5	1.0	5.0	10	20	30	/	/	/
COMMON dB	11	16	19	25	26	22	21	21	21	/	/	/
DIFF. dB	-	4	7	16	23	30	30	30	30	/	/	/

SHEET SIZE
A

THIRD ANGLE PROJECTION
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.

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

UNLESS OTHERWISE SPECIFIED
TOLERANCE TO BE ±0.025
MATERIAL & FINISH: AS SUPPLIED

NOTES:

CVM
AVAILABLE

YES NO

G:\KeyCreator Directories\CD

3EHG8-200.cxd



Tyco Electronics

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

CUSTOMER DRAWING 3EHG8-2

TYCO ELECTRONICS PART NO. 1-1609117-5

SCALE: NTS	DATE: 24APR08	DRAWING NUMBER: 3EHG8-2	REV. 0
DRW. BY: SD	ORIG: TAM		

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[TE Connectivity:](#)

[3EHG8-2](#)