3EHQ8 & 3EHQ8M

SAFETY ORGANIZATION(S):

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 544
CSA CERTIFIED	CSA 22.2, NO.0,0.4,8
VDE APPROVED	VDE 565-3
SEV APPROVAL PENDING	

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT: 3 AMP, 120/250 VAC
2 AMP./40°C, 250 VAC

LINE FREQUENCY: 50-60Hz

MAX. LEAKAGE CURRENT, EACH: 2 µA at 120V 60Hz
LINE TO GROUND: 5 µA at 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 RATED CURRENT FOR 8 SECONDS

TEST SPECIFICATIONS:

INDUCTANCE: 32.18 mH NOMINAL
CAPACITANCE: (MEASURED @ 1 KHz, 0.25VAC MAX., 25°C±1°C)

LINE TO LINE: .94 µF ±20%
DISCHARGE RESISTOR: 270KΩ

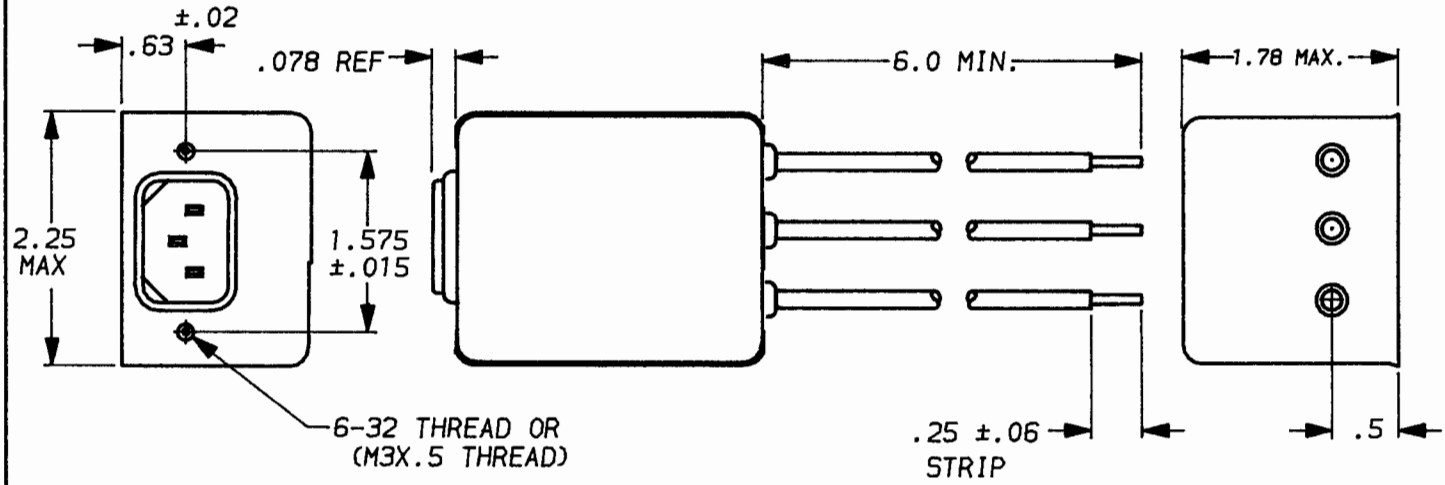
LINE/GROUND AND LINE/LINE: 6000MΩ (MIN) AT 100VDC
INSULATION RESISTANCE: 20°C AND 50% RH

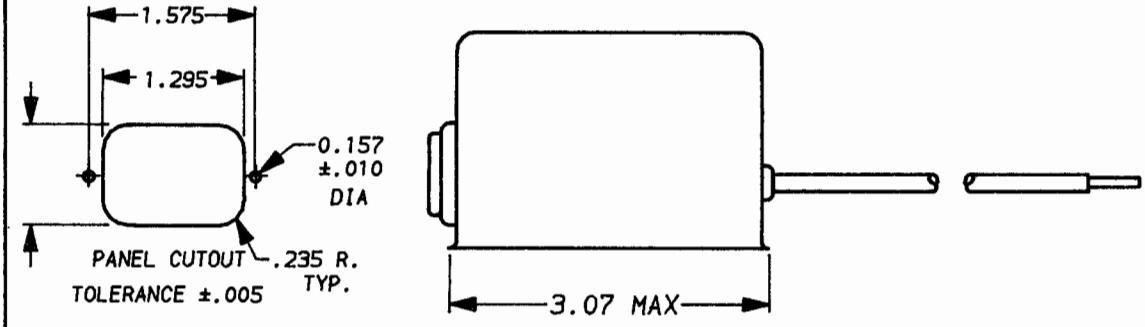
RECOMMENDED RECEIVING INSPECTION HIPOT:

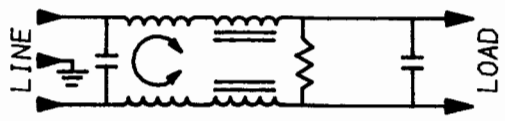
LINES TO GROUND: 2250 VDC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

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







50Ω - 50Ω (MINIMUM) INSERTION LOSS												
FREQUENCY MHz	.01	.015	.02	.05	.15	.5	1	2	5	10	20	30
COMMON dB	19	22	24	32	44	44	40	38	28	22	13	10
DIFF. dB	1	2	18	43	68	75	75	72	70	65	62	60

UNLESS OTHERWISE SPECIFIED, TOLERANCE TO BE ±.025

MATERIAL & FINISH: AS SUPPLIED

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corcom
LIBERTYVILLE, IL 60048

POWER LINE FILTER

DATE: 10-4-93
APPRVD. TAM

CATALOG NO. 3EHQ8 & 3EHQ8M
CAD NO. 3EHQ8.01