

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, # 0.0.4.8
VDE APPROVED: EN 60939-2

OPERATING SPECIFICATIONS

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

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT,
EACH LINE TO GROUND: 0.22 mA @ 120V 60Hz
0.40 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: 0.091 mH NOMINAL
CAPACITANCE: (MEASURED @ 1KHz, 0.250VAC MAX., 25°C ± 1°C)
LINE TO GROUND: 0.0056 μ F ± 20%
LINE TO LINE: 0.1014 μ F ± 20%
DISCHARGE RESISTOR: 1.5M Ω
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 6000M Ω (MIN.) @ 100VDC,
20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

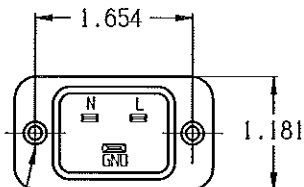
LINE TO GROUND: 1500 VAC FOR 1 MINUTE
LINE TO LINE: 1450 VDC FOR 1 MINUTE

FILTER APPROVAL:

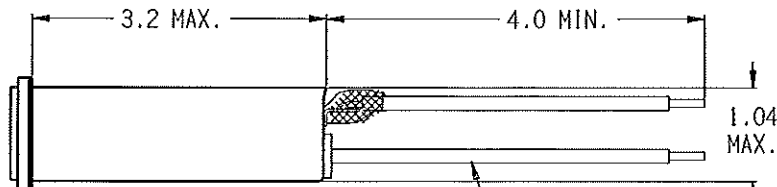
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

CATALOG # 20EJT8

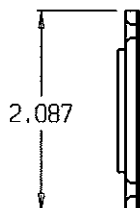
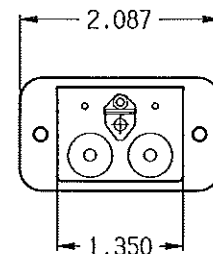
ECN #	APPRVD.	DATE
11-005800	PJD	21MAR11



Ø0.126 WITH
0.236 x 90°
COUNTERSINK FOR
#4 FLAT HEAD SCREW
(2 PLACES)

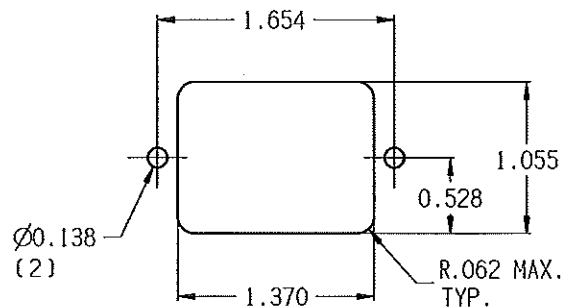
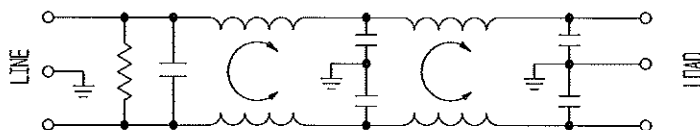


WIRE, #14 AWG
UL1015 (3 PLACES)



LABEL

BROWN (LINE)
GREEN/YELLOW (GROUND)
BLUE (NEUTRAL)



PANEL CUTOUT (FRONT MOUNT)
TOLERANCE +/- 0.005

50Ω- 50Ω (MINIMUM) INSERTION LOSS

THIRD ANGLE
PROJECTION



FREQUENCY MHz	.1	.15	.5	1.0	5.0	10	30	100	300	1000
COMMON dB	-	-	8	15	42	50	60	58	40	14
DIFF. dB	6	9	20	26	40	35	48	50	56	10

UNLESS OTHERWISE SPECIFIED,
TOLERANCE TO BE ±.025
MATERIAL & FINISH: AS SUPPLIED

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TE TE Connectivity

POWER LINE FILTER

CAD FILE: 20e1t8-J.cxd	TE#: 3-6609006-1
SCALE: NTS	DATE: 12JUN03
DRW. BY: PJD	ORIG: PJD
CATALOG NO.	REV.
20EJT8	J