

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
CSA CERTIFIED
VDE APPROVED
SEV APPROVED

UL 1283
CSA 22.2, NO.0,0.4,8
VDE 565-3
SEV 1055/TP1977/5.1.1

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT:
10 AMP., 120/250 VAC
6 AMP./40°C, 250 VAC
50-60Hz
40°C

LINE FREQUENCY:
MAX. CASE RISE θ RATED CURRENT:
MAX. LEAKAGE CURRENT, EACH
LINE TO GROUND
OPERATING AMBIENT TEMP. RANGE:

.25mA at 120V 60 Hz
.48 mA at 250V 50 Hz
-10°C TO +40°C θ 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:
HUMIDITY:
CURRENT OVERLOAD TEST:
6 TIMES RATED CURRENT FOR 8 SECONDS

-40°C TO +85°C
21 DAYS θ 40°C 95% RH

TEST SPECIFICATIONS:

INDUCTANCE:
CAPACITANCE: (MEASURED θ 1 KHz, 0.25 VAC MAX., 25°C \pm 1°C)
LINE TO GROUND:
LINE TO LINE:
DISCHARGE RESISTOR
LINE/GROUND AND LINE/LINE
INSULATION RESISTANCE

7.13 mH NOMINAL
.006 μ F \pm 20%
.54 μ F \pm 20%
330 K Ω
6000 M Ω (MIN) AT 100 VDC
20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

LINES TO GROUND:
LINE TO LINE:
FILTER APPROVAL:
THE BEST WAY TO SELECT AND QUALIFY A FILTER IS FOR YOUR ENGINEERING TO TEST THE UNIT IN YOUR EQUIPMENT.

2250 VDC FOR 1 MINUTE
1450 VDC FOR 1 MINUTE

TOLERANCE EXCEPT AS NOTED
DECIMAL: .XXX .XX .X ANGLES \pm 1°
ENGLISH: \pm .025
METRIC: \pm —
MATERIAL: AS SUPPLIED
FINISH: AS SUPPLIED

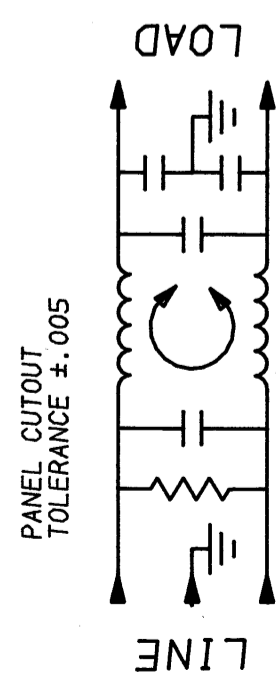
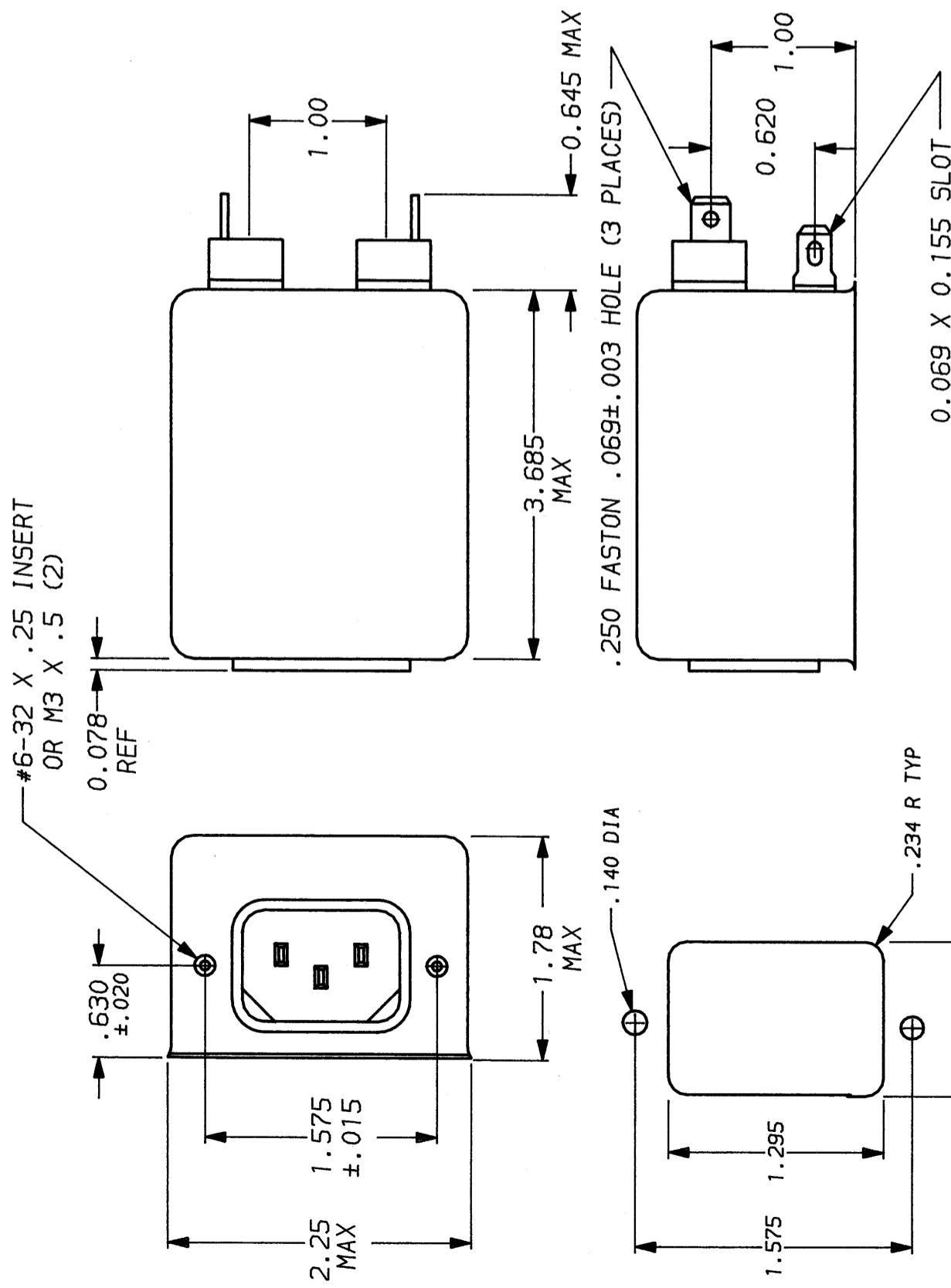
50 Ω - 50 Ω (MINIMUM) INSERTION LOSS												
FREQUENCY MHz	.01	.02	.05	.08	.1	.15	.5	1	5	10	20	30
COMMON dB	5	11	20	27	28	31	44	45	45	45	47	38
DIFF. dB	1	1	2	3	3	10	55	65	65	65	50	50

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POWER LINE FILTER

SCALE	DATE	DRG. NO.	REV.
NTS	9-12-89	10ESK7 & 10ESK7M	7
DRN. BY	ORIGINATOR		
TDL	CW		



PANEL CUTOUT TOLERANCE \pm .005

Mouser Electronics

Authorized Distributor

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[TE Connectivity:](#)

[10ESK7M](#)