

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 1283
- CSA CERTIFIED
CSA 22.2, NO. 0, 0.4, 8
- VDE APPROVED
VDE 565-3

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:
.5 mA at 120V 60 Hz
1.0 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_0 , IS AS FOLLOWS:

$$I_0 = I_r \sqrt{\frac{85-T_a}{45}}$$

RELIABILITY SPECIFICATIONS:

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

TEST SPECIFICATIONS:

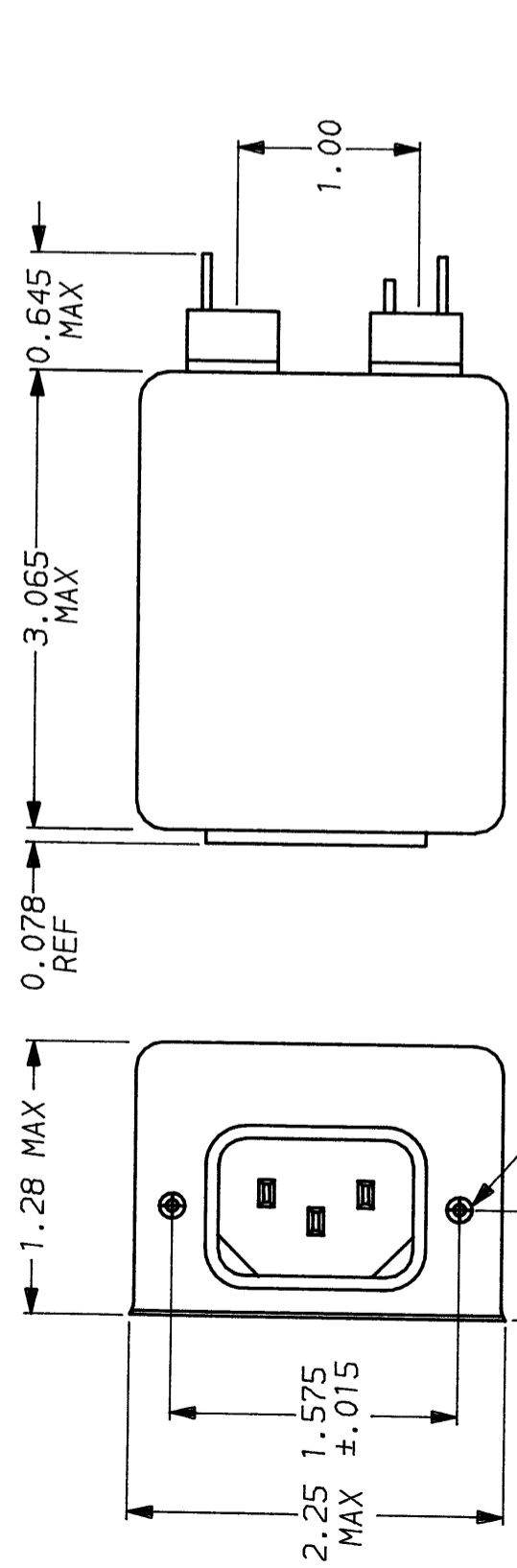
- INDUCTANCE:
.495 mH NOMINAL
- CAPACITANCE: (MEASURED θ 1 KHZ, 0.25 VAC MAX., 25°C \pm 1°C)
LINE TO GROUND: .011 μ F \pm 20%
LINE TO LINE: .203 μ F \pm 20%
DISCHARGE RESISTOR
1.5M Ω
- LINE/GROUND AND LINE/LINE INSULATION RESISTANCE
6000 M Ω (MIN) AT 100 VDC
20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HIPOT:

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

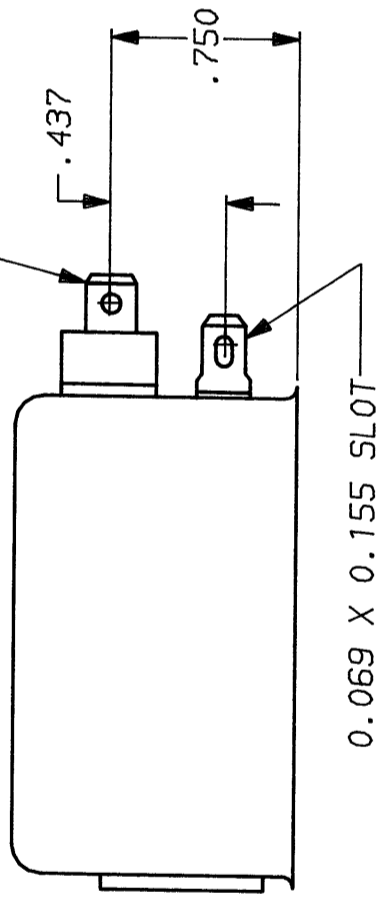
FILTER APPROVAL:

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



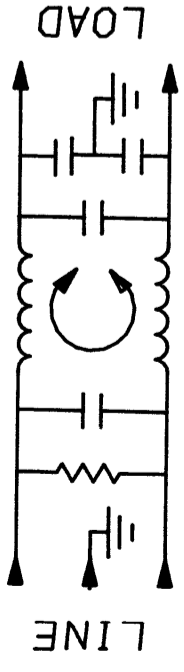
6-32 X 1/4 OR M3 X .5 BLIND INSERT

.250 FASTON .069 \pm .003 HOLE (3 PLACES)



0.069 X 0.155 SLOT

PANEL CUTOUT
TOLERANCE \pm .005



50 α - 50 α (MINIMUM) INSERTION LOSS

FREQUENCY MHz	.15	.5	1	2	5	10	20	30
COMMON dB	10	25	31	37	45	49	52	53
DIFF. dB	8	4	35	55	65	65	62	62

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

MATERIAL: AS SUPPLIED

FINISH:

AS SUPPLIED

CORCOM
LIBERTYVILLE, IL 60048

POWER LINE FILTER

SCALE: NTS DATE: 7-31-90 DRG. NO. 10VK7 & 7M REV. 5
DRW. BY: CFW ORIGINATOR: CFW

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[10VK7](#)