

DESCRIPTION APP'D./DATE REV
 C. Westoby 12-3-70 1

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 1283
 CSA 22.2, NO. 0, 0, 4, 8
 VDE 565-3

OPERATING SPECIFICATIONS:

30 AMP., 120/250 VAC
 25 AMP./40°C, 250 VAC

50-60HZ
 40°C

.3mA at 120V 60 Hz
 .5 mA at 250V 50 Hz

-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:
 1.73 mH NOMINAL

CAPACITANCE: (MEASURED @ 1 KHZ, 0.25 VAC MAX., 25°C ±1°C)
 .004µF ±20%

LINE TO GROUND:
 LINE TO LINE:
 1.08µF ±20%

DISCHARGE RESISTOR
 235 KΩ

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

RECOMMENDED RECEIVING INSPECTION HIPOUT:

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

FILTER APPROVAL:

TO TEST THE 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	.05	.2	.50	1.0	2.0	5.0	10	20	30
COMMON dB	2	9	20	27	31	36	40	41	38	36
DIFF. dB	5	13	14	60	60	60	51	49	49	49

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TOLERANCE EXCEPT AS NOTED
 DECIMAL: .XXX .XX .X ANGLES
 ENGLISH: ±.025 ±.1°
 METRIC: ±
 MATERIAL: AS SUPPLIED



POWER LINE FILTER

SCALE DATE DRG. NO. REV.
 NTS 9-12-89 30ESK6.01
 DRW. BY TDL ORIGINATOR CW

