

C. Webster	11-20-91	0
DESCRIPTION	APP'D./DATE	REV

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 (PENDING)

UL 544
 CSA 22.2, NO. 0.0.4.8
 VDE 565-3

OPERATING SPECIFICATIONS:

LINE VOLTAGE/CURRENT:
 6 AMP., 120/250 VAC
 50-60Hz
 30°C

LINE FREQUENCY:
 MAX. CASE RISE & RATED CURRENT,
 MAX. LEAKAGE CURRENT, EACH
 LINE TO GROUND
 2µA at 120V 60 Hz
 5µA 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:

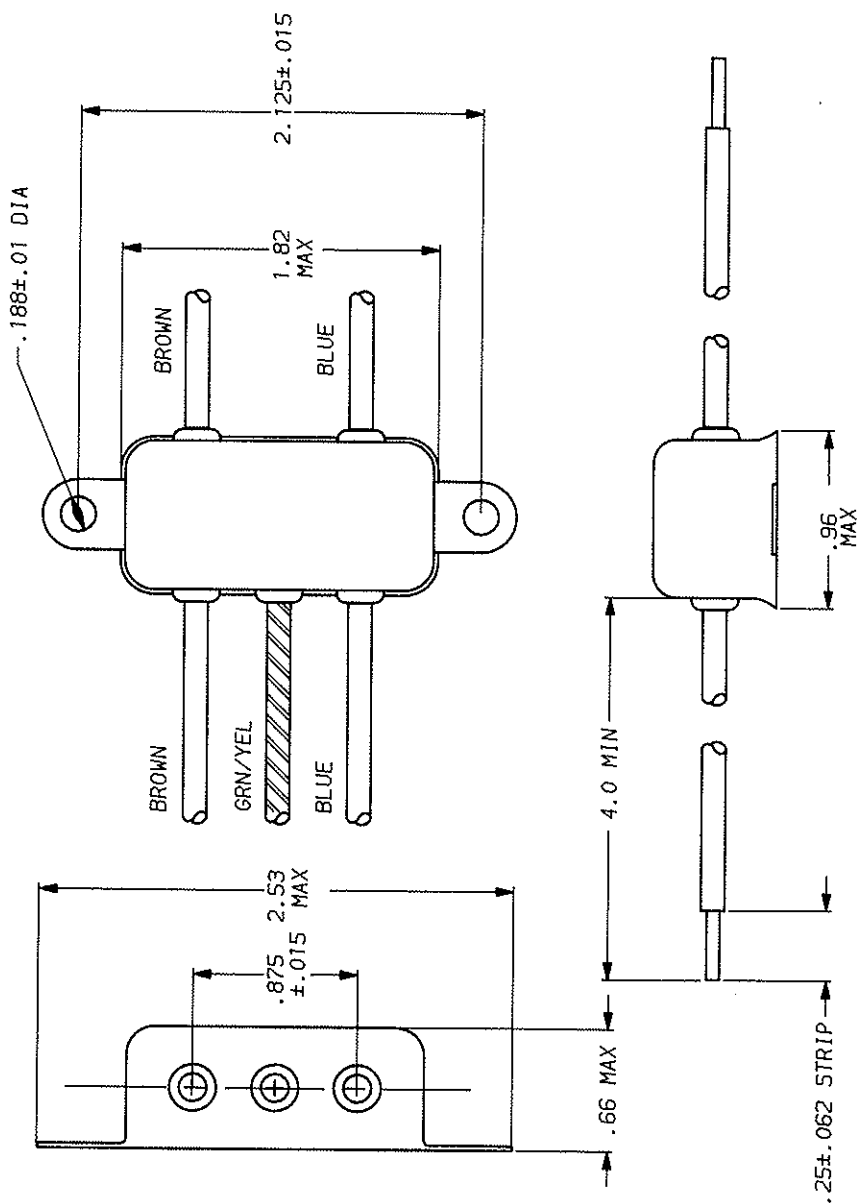
INDUCTANCE:
 0.465 mH NOMINAL
 CAPACITANCE, MEASURED @ 1 KHz, 0.25 VAC MAX., 25°C ±1°C
 LINE TO LINE:
 .01µF ±20%

DISCHARGE RESISTOR,
 LINE/GROUND AND LINE/LINE
 INSULATION RESISTANCE
 1.5 MΩ
 6000 MΩ (MIN) AT 100 VDC
 20°C AND 50X RH
 (W/O DISCHARGE RESISTOR)

RECOMMENDED RECEIVING INSPECTION HIPOUT:

LINES TO GROUND:
 LINE TO LINE,
 FILTER APPROVAL:
 2250 VDC FOR 1 MINUTE
 1450 VDC FOR 1 MINUTE

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



FREQUENCY MHZ	50Ω - 50Ω (MINIMUM) INSERTION LOSS							
	.15	.5	1.0	5.0	10	20	30	
COMMON dB	9	16	20	26	23	20	18	

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

MATERIAL:
 AS SUPPLIED

FINISH:
 AS SUPPLIED



POWER LINE FILTER

DATE	DRG. NO.	REV.
11-19-91		0
DESIGNATOR	CFW	6EH3.00

*RESISTOR ADDED TO PRODUCT BUILT AFTER 3-30-92 (9212).

Mouser Electronics

Authorized Distributor

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

[TE Connectivity:](#)

[6EH3](#)