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 1293
CSA Certified: CSA 22.2, #8
VDE Approved: EN 13200

OPERATING SPECIFICATIONS

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

LINE FREQUENCY: 50-60Hz

MAXIMUM LEAKAGE CURRENT:
- EACH LINE TO GROUND: 0.40mA @ 120V, 60Hz
- 0.70mA @ 250V, 50Hz

OPERATING TEMPERATURE 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:

\[ I_o = I_r \sqrt{\frac{100 - T_a}{60}} \]

50 n - 50 n (MINIMUM) INSERTION LOSS

<table>
<thead>
<tr>
<th>FREQUENCY (Hz)</th>
<th>0.15</th>
<th>0.5</th>
<th>1.0</th>
<th>2.0</th>
<th>5.0</th>
<th>10</th>
<th>20</th>
<th>30</th>
</tr>
</thead>
<tbody>
<tr>
<td>COMMON dB</td>
<td>11</td>
<td>26</td>
<td>37</td>
<td>44</td>
<td>47</td>
<td>50</td>
<td>50</td>
<td>48</td>
</tr>
<tr>
<td>DIFF. dB</td>
<td></td>
<td></td>
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</tr>
</tbody>
</table>

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: 0.44mH NOMINAL
CAPACITANCE (MEASURED @ 1kHz, 0.250VAC MAX., 25°C@11°C)
- LINE TO GROUND: 0.0088uF @ 2202
- LINE TO LINE: 0.0129uF @ 1202
DISCHARGE RESISTOR: 1.5kΩ
L/G AND L/L I.R.
NO DISCHARGE RESISTOR: 600kΩ (MIN.) @ 100vDC
20°C AND 50% RH

RECOMMENDED RECEIVING INSPECTION HINT:

LINE TO GROUND: 150VAC 250VDC FOR 1 MINUTE
LINE TO LINE: 145VDC 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.

TYCO ELECTRONICS 20VB6