Mains Power, Aerial & DSTV Line Transient Conditioner

DESCRIPTION:
The MAINS POWER, AERIAL & DSTV LINE TRANSIENT CONDITIONER combines powerful protection circuitry (suppression and filtration) for mains and TV / DSTV aerials (suppression only). Standard modules are fitted with a 16A plug / socket, two TV sockets (female) and two F type sockets for DSTV (female). Male to male patch leads are supplied for both the TV and DSTV aerials.

SPECIFICATIONS:

<table>
<thead>
<tr>
<th>Normal Conditions (Mains)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Rating (Max.)</td>
<td>250V RMS</td>
</tr>
<tr>
<td>Current Rating (Max.)</td>
<td>10A</td>
</tr>
<tr>
<td>Earth leakage current</td>
<td>&lt;2mA</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transient/Surge Conditions (Mains)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Withstand @ 1.2/50uS (Max.)</td>
<td>&gt;6kV</td>
</tr>
<tr>
<td>Current Withstand @ 8/20uS (Max.)</td>
<td>&gt;6kA</td>
</tr>
<tr>
<td>Power rating per wire (Max.)</td>
<td>140J</td>
</tr>
<tr>
<td>Noise Attenuation</td>
<td>±45dB</td>
</tr>
<tr>
<td>Clamping Voltage</td>
<td>570V</td>
</tr>
<tr>
<td>Response Time</td>
<td>&lt;25ns</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Normal Conditions (TV/VCR Line)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Frequency (Max.)</td>
<td>1GHz</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transient/Surge Conditions (TV/VCR Line)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Withstand @ 1.2/50uS (Max.)</td>
<td>3kV</td>
</tr>
<tr>
<td>Current Withstand @ 8/20uS (Max.)</td>
<td>5kA</td>
</tr>
<tr>
<td>Clamping Voltage (TYP)</td>
<td>110V</td>
</tr>
<tr>
<td>Noise Attenuation</td>
<td>&lt;1us</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Normal Conditions (DSTV Line)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Voltage Rating (Max.)</td>
<td>90V</td>
</tr>
<tr>
<td>Characteristic Impedance</td>
<td>75Ω</td>
</tr>
<tr>
<td>Insertion Loss @ 2GHz</td>
<td>&lt;1.5dB</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Transient/Surge Conditions (DSTV Line)</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Current Withstand @ 8/20uS (Max.)</td>
<td>&gt;10kA</td>
</tr>
<tr>
<td>Impulse Breakdown (TYP)</td>
<td>300V</td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Model</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>BBTVDS/10/PSX *</td>
<td>Mains / Aerial / 2 x DSTV Line Transient Conditioner</td>
</tr>
<tr>
<td>PCP/A</td>
<td>Mains / Aerial / 1 x DSTV Line Transient Conditioner</td>
</tr>
</tbody>
</table>

X = Number of Sockets (1, 3 and 5 available)

* Option for 4 x DSTV protectors is available on request