Data Sheet

EMP Protector
3404.00.0012

Description

Slim Line GDT technology

Benefits

DC continuity for remote powering
Fix installed GDT, static sparkover-voltage nom. 150 V
Broad-band design
Space saving inline design
Compliant to IEC 61643-21

Product Configuration

Main path connectors
Port 1: unprotected, N jack (female) - Port 2: protected, MMCX jack (female)
Mounting and grounding
MH119 (bulkhead mounting), brk (bracket)
Side of bulkhead
unprotected side

Technical Data

Electrical Data

Impedance
50 Ω
Frequency range
0 - 3000 MHz
Return loss
≥ 20 dB
Insertion loss
≤ 0.25 dB
RF CW power
≤ 30 W
PIM 3rd order
not specified
DC supply voltage
≤ 28 V
DC current
≤ 2 A
Surge current handling capability
10 single / 5 multiple kA (test pulse 8/20 µs)
Residual pulse energy
350 µJ typically (test pulse 4 kV 1.2/50 µs / 2 kA 8/20 µs) main path - protected side

Environmental Data

Operating temperature
-40 °C to +85 °C
Waterproof degree
IP68 (according to IEC 60529, data refer to the coupled state)

Material Data

<table>
<thead>
<tr>
<th>Piece Parts</th>
<th>Material</th>
<th>Surface Plating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Housing</td>
<td>Stainless Steel</td>
<td>Passivated (Plating)</td>
</tr>
<tr>
<td>Port 1 center contact</td>
<td>Copper Beryllium Alloy</td>
<td>Gold Plating (without Nickel underplating)</td>
</tr>
<tr>
<td>Port 2 center contact</td>
<td>Copper Beryllium Alloy</td>
<td>Gold Plating (without Nickel underplating)</td>
</tr>
</tbody>
</table>

Related Documents

Outline drawing
DOU-00399098

Remarks

> Static spark-over voltage: 150 V +/- 25 %
> Waterproof N interface, even in un-mated conditions: IP68 acc. IEC 60529 and MIL-STD 810G Method 512.5, Procedure I (3 m of seawater, 30 min)
> Mounting hole: 5/8-24 UNEF-2B, (16.1 mm or MH119)
> Vibration - MIL-STD-202, Method 204, Cond. D
> Moisture Resistance - MIL-STD-202, Method 106