Data Sheet

EMP Protector 3402.17.0043



Description

GDT technology up to 2.5 GHz

Benefits

Broad-band design
DC continuity for remote powering
The protector can also be installed reversely
Delivered without gas discharge tube
Data refer to GDT 9071.99.0547, 230 V
Compliant to IEC 61643-21



Product Configuration

Main path connectors Mounting and grounding Side of bulkhead Port 1: <u>unprotected</u>, N plug (male) - Port 2: <u>protected</u>, N jack (female) MH12 (bulkhead mounting), M8 (screw), brk (bracket)

protected side

Technical Data

Electrical Data

 $\begin{array}{lll} \mbox{Impedance} & 50 \ \Omega \\ \mbox{Frequency range} & 0 - 2500 \ \mbox{MHz} \\ \mbox{Return loss} & \geq 20 \ \mbox{dB} \\ \mbox{Insertion loss} & \leq 0.2 \ \mbox{dB} \\ \mbox{RF CW power} & \leq 150 \ \mbox{W} \\ \mbox{PIM 3rd order} & \mbox{not specified} \end{array}$

Surge current handling capability

30 single / 20 multiple kA (test pulse 8/20 µs)

Residual pulse energy

 $350~\mu J$ typically (test pulse 4 kV 1.2/50 μs / 2 kA 8/20 $\mu s)$ main path - protected side

Mechanical Data

Number of matings 500 Weight 230 g

Environmental Data

Operating temperature -40 °C to +85 °C

Waterproof degree IP65 (according to IEC 60529, data refer to the coupled state)

2011/65/EU (RoHS) compliant

Material Data

Piece Parts	Material	Surface Plating
Housing	Brass	SUCOPLATE (R) Plating
Port 1 center contact	Brass	Gold Plating (without Nickel underplating)
Port 2 center contact	Copper Beryllium Alloy	Gold Plating (without Nickel underplating)

Related Documents

Outline drawing DOU-00068855.1 Mounting instruction DOC-0000176104

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