

## EMP Protector 3402.41.A

### 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 Port 1: unprotected, 7/16 jack (female) - Port 2: protected, 7/16 jack (female)  
 Mounting and grounding MH72 (bulkhead mounting), brk (bracket)

### Technical Data

#### Electrical Data

Impedance 50 Ω  
 Frequency range 0 - 2500 MHz  
 Return loss ≥ 20 dB  
 Insertion loss ≤ 0.2 dB  
 RF CW power ≤ 150 W  
 PIM 3rd order not specified

Surge current handling capability 30 single / 20 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

#### Mechanical Data

Number of matings 500  
 Weight 399 g

#### Environmental Data

Operating temperature -40 °C to +85 °C  
 Waterproof degree IP67 (according to IEC 60529, data refer to the coupled state)  
 2011/65/EC (RoHS) compliant

#### Material Data

Piece Parts	Material	Surface Plating
Housing	Brass	SUCOPLATE (R) Plating
Port 1 center contact	Copper Beryllium Alloy	Silver Plating
Port 2 center contact	Copper Beryllium Alloy	Silver Plating

### Related Documents

Outline drawing DOU-00004154.1  
 Mounting instruction DOC-0000176104