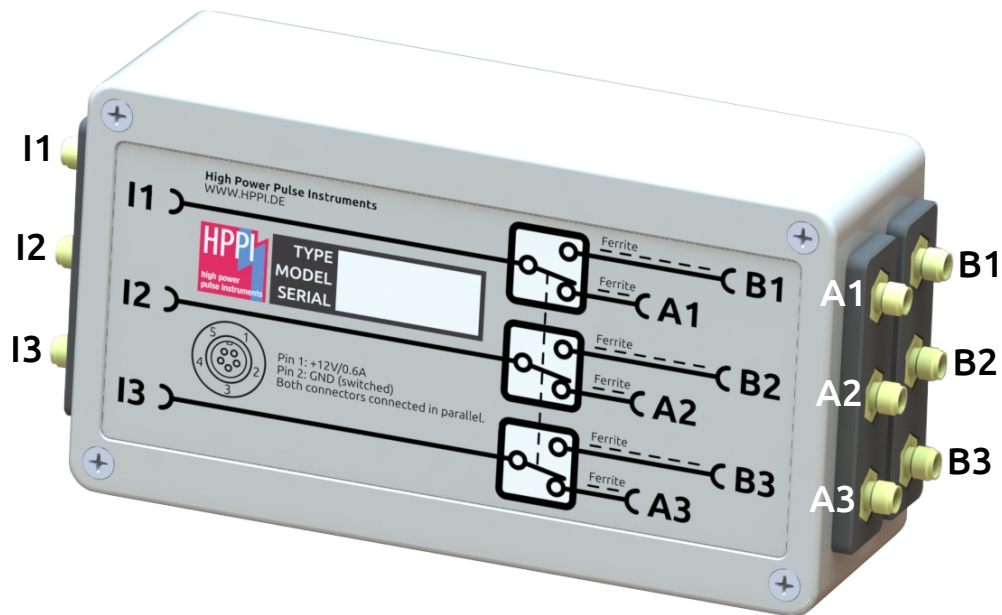


# 18 GHz Low Triboelectric Switch S-4000A-LT

Advanced TLP/HMM/HBM Solutions



## 1 Features

- 3 synchronous switched single pole, double throw (SP2T) channels.
- All channels have very low triboelectricity
- DC - 18 GHz bandwidth
- Suitable for high performance VF-TLP
- 9 SMA interfaces
- Integrated sheath wave (common mode) suppression by ferrite cores
- 12 V, 600 mA dual control interface, connected in parallel. Pin-compatible with the standard S-3000C-LT switch interface of the TLP-3010C/4010C/8010A/8010C/12010A/12010C systems.
- Size 172 mm x 83 mm x 51 mm

## 2 Description

The S-4000A-LT is used to connect two different measurement setup with a TLP or VF-TLP system. The 3 channels of the S-4000A-LT can be used for pulse force, pulse sense or DC/SMU test signals.

All relay channels have negligible triboelectricity in order to avoid switching damage of extremely sensitive DUT devices.

### 2.1 Electrical Characteristics

Fig. 2 shows the typical insertion loss of a channel versus frequency.

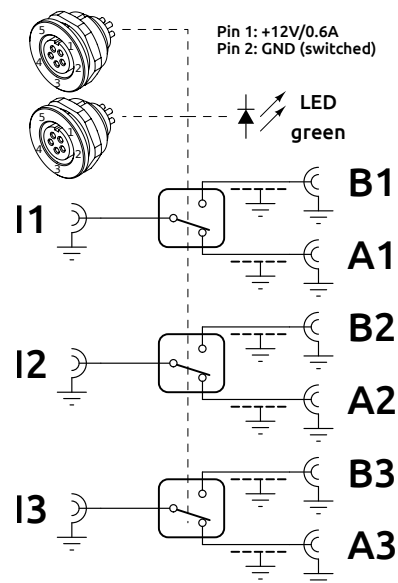


Figure 1: Schematic diagram

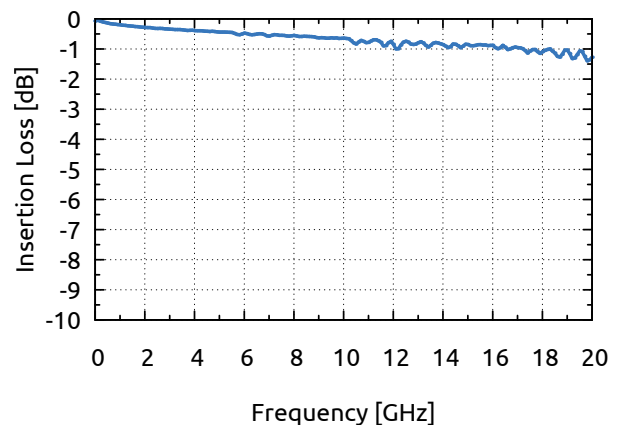


Figure 2: Typical insertion loss

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## 3 Physical Dimensions

On the bottom side the S-4000A-LT has M4 threads and dowel holes to fix the device using screws or simply dowel pins.

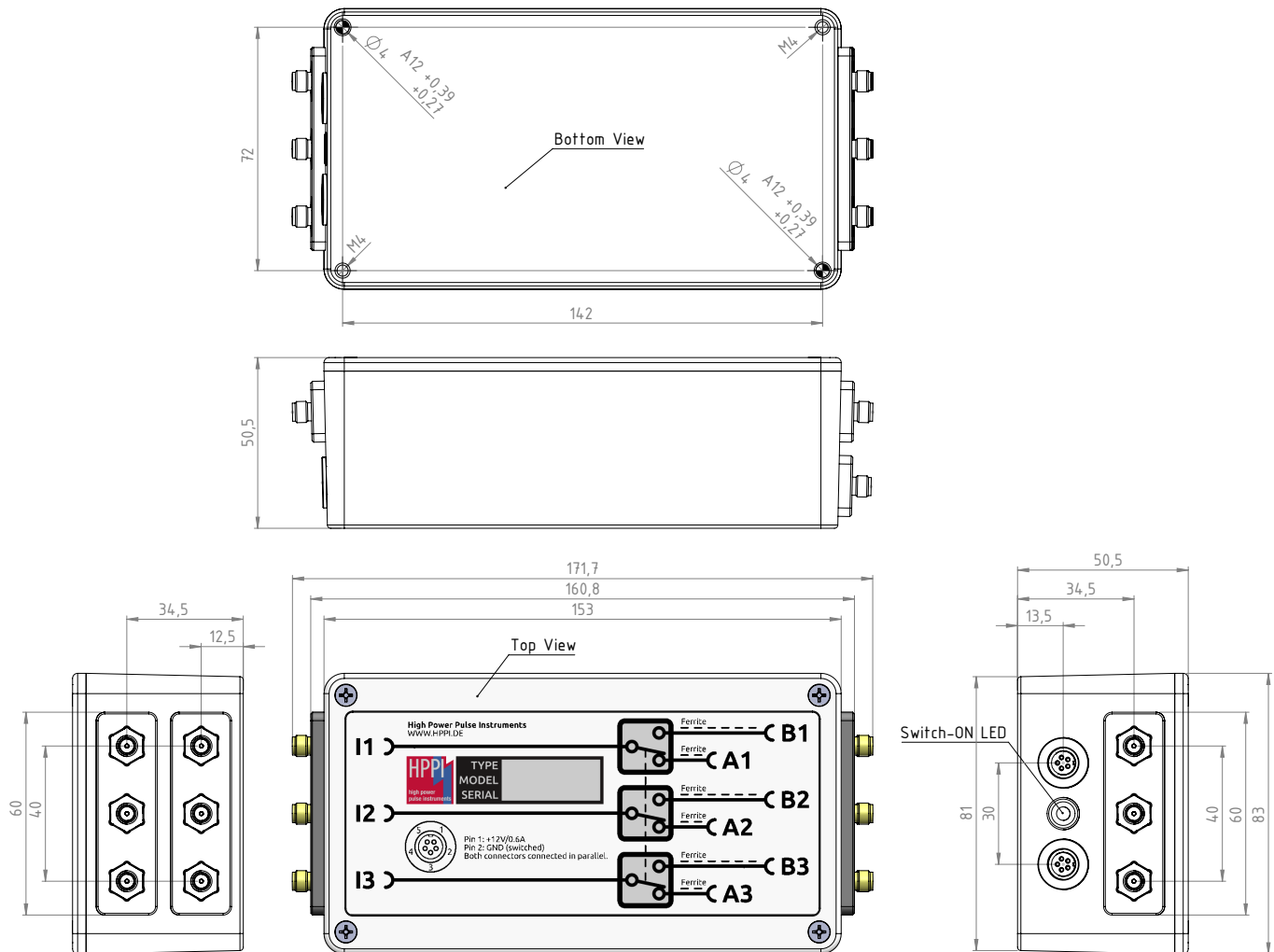


Figure 3: Physical dimensions of the S-4000A-LT in [mm]

## 4 Ordering Information

Pos.	Description	Part No.
01	18 GHz Low Triboelectric Switch S-4000A-LT	S-4000A-LT

### General

The product data contained in this data-sheet is exclusively intended for technically trained staff. You and your technical departments will have to evaluate the suitability of the product for the intended application and the completeness of the product data with respect to such application. Our products are solely intended to be commercially used internally and should not be sold to consumers. This data-sheet is describing the specifications of our products for which a warranty is being granted by HPPI GmbH. Any such warranty is granted exclusively pursuant to the terms and conditions of the respective supply agreement. There will be no guarantee of any kind for the product and its specifications. For further information on technology, specific applications of our product, delivery terms, conditions and prices please contact HPPI:

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