18 GHz DUT Switch S-3000C-LT

1 Features

- Improved reliability for high system pulse counts
- High precision and high dynamic range of the pulse force and pulse sense channel
- Successor of the S-3000B DUT switch
- 2 synchronous switched single pole, double throw (SP2T) channels
- Designed for high performance VF-TLP/TLP/HMM
- Integrated sheath wave (common mode) suppression
- DC - 18 GHz bandwidth
- 5 SMA interfaces
- Extremely low triboelectricity generation
- 12 V, 530 mA dual control interface, connected in parallel. Pin-compatible with the switch interface of the TLP-3010C/4010C/8010A/8010C systems
- Size 129.1 mm x 82.5 mm x 44 mm

2 Description

The S-3000C-LT is used to connect the device under test (DUT) with the TLP or VF-TLP system. The 2 channels of the S-3000C-LT are used to connect pulse force, pulse sense and the DC leakage test signals.

The S-3000C-LT has extremely low triboelectricity generation, which is mandatory for very sensitive low voltage devices (several volts and below) in very advanced CMOS or RF MMIC process technologies.

Fig. 1 shows the schematic diagram of the S-3000C-LT.

3 Electrical Characteristics

Fig. 2 shows the typical insertion loss versus frequency.

Figure 1: Schematic diagram S-3000C-LT

Figure 2: Typical insertion loss
4 Physical Dimensions

Figure 3: Mechanical dimensions of the S-3000C-LT in [mm]

5 Ordering Information

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<td>18 GHz Low-Tribo DUT Switch</td>
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General

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