

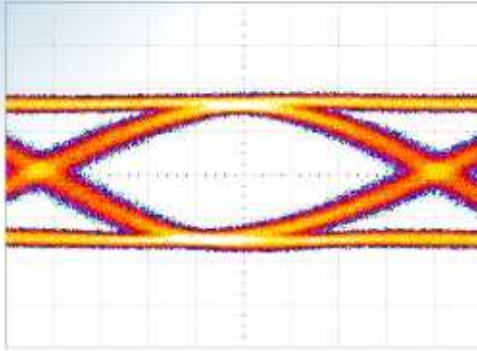


SHF Communication Technologies AG

Wilhelm-von-Siemens-Str. 23D • 12277 Berlin • Germany

Phone ++49 30 / 772 05 10 • Fax ++49 30 / 753 10 78

E-Mail: sales@shf.de • Web: <http://www.shf.de>



Datasheet SHF 10000 B Mainframe





Description

The SHF 10000 B is a mainframe unit to be used in conjunction with SHF plug-in modules. A wide range of available plug-in modules allow configuring modular and scalable measurement systems for various applications, which fit exactly to the customer's requirement.

Two full-width plug-ins (such as pattern generators and error analyzers) and up to four half-width plug-ins including internal clock source, clock recovery module, optical transmitter, optical receiver, electrical delay lines and user specific functions can be installed in this mainframe.

The mainframe is controlled over a standard Ethernet connection by an external computer which is a standard part of each system. An easy to use software package provides not only a user friendly interface for changing the operating parameters and a powerful measurement utility but also the capabilities of feature enhancement through firmware & software upgrades.

To support the DC supply of external components such as amplifier frequency doublers etc, the mainframe has a DC power outlet with various voltages.

Features

- Basic part for configuring scalable and modular measurement systems.
- Including notebook computer.
- Windows Style Bert Control Center software package.
- Computer controlled operation over the Ethernet which also enables remote access.
- Feature enhancement through firmware & software upgrades.
- User programmable.
- Field installation of half-width modules.
- Easily upgradeable.

Options

Delete NB – without notebook

Available Plug-ins

- SHF 11100A 50 Gbps Error analyzer
- SHF 12100B 50 Gbps Pattern Generator
- SHF 12101A 12.5 Gbps Pattern Generator
- SHF 41210A O/E converter and clock recovery
- SHF 46210A 40 Gbps Optical multiformat DPSK transmitter
- SHF 46210B 10 Gbps Optical multiformat DPSK transmitter
- SHF 47210A 40 Gbps Optical Receiver
- SHF 47210B 10 Gbps Optical Receiver
- SHF 24210A 60 Gbps 4:1 Multiplexer
- SHF 34210A 60 Gbps 1:4 Demultiplexer
- SHF 58210A Signal Splitter and signal selector
- SHF 50120A Clock Source
- SHF 60210A Clock Delay



Specifications – SHF 10000B

Parameter	Unit	Min.	Typ.	Max.	Conditions
Power supply	V	90 180	110 230	135 270	47...63 Hz
Power consumption	W		11 245		Mainframe alone with SHF11100 A and SHF 12100 A
Weight	kg		17 22 27		Mainframe alone with SHF11100 A and SHF 12100 A
Dimensions (WxDxH)	mm				480x630x280
Operating temperature	°C	10		35	
Storage temperature	°C	-20		70	
Network connector			RJ-45		Ethernet
DC Power Supply Outlet (Lemo EPG.OB.304.HLN)	V		-5 +5 +12		max. 1A max. 1A max. 1A