

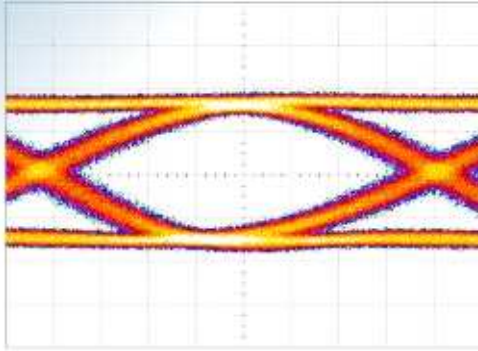


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Datasheet

SHF 10001 A

Mainframe





Description

The SHF 10001 A 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.

Up to two full-width plug-ins (such as pattern generators and error analyzers) or up to four half-width plug-ins or one full-width plug-in and up to two 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 12100A 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



Specifications – SHF 10001A

Parameter	Unit	Min.	Typ.	Max.	Conditions
Power supply	V	90 180	110 230	135 270	47...63 Hz
Power consumption	W		11		Mainframe only
Weight	kg		12 14.5 17		Mainframe only and SHF 24210A and SHF 34210A
Dimensions (WxDxH)	mm				480x600x190
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