



RFB 2000, RFC 2010 or 2020 RF SWITCH NETWORK



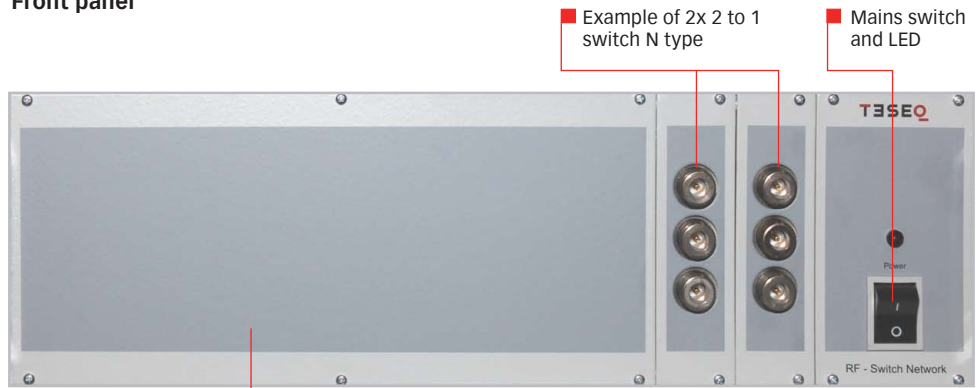
RF Switch network, view to the front panel, example with 2x 2 to 1 switch N type

The RF switch network can be configured to switch RF signals in a wide range of automatic test systems. Various switch configurations are available, connecting one input to either two or six outputs. The 3HU rack consists of a power supply and remote interface and can accept any combination of plug-in modules up to the maximum dimension of the rack. Each switch can be individually controlled through RS 232 or USB interface to ensure maximum flexibility in the test system.

All RF switches are high quality with an operating lifetime of at least one million operations. While able to pass high power levels, they are designed to switch only during absence of RF power.

- Applicable for various RF systems
- Modular system, extendable
- Quasi unlimited switch numbers
- RS 232 or USB remote interface
- High quality switches

Front panel



View to the back panel, example with RS232 interface, 2x 2 to 1 switch N type and 1x 6 to 1 switch SMA type

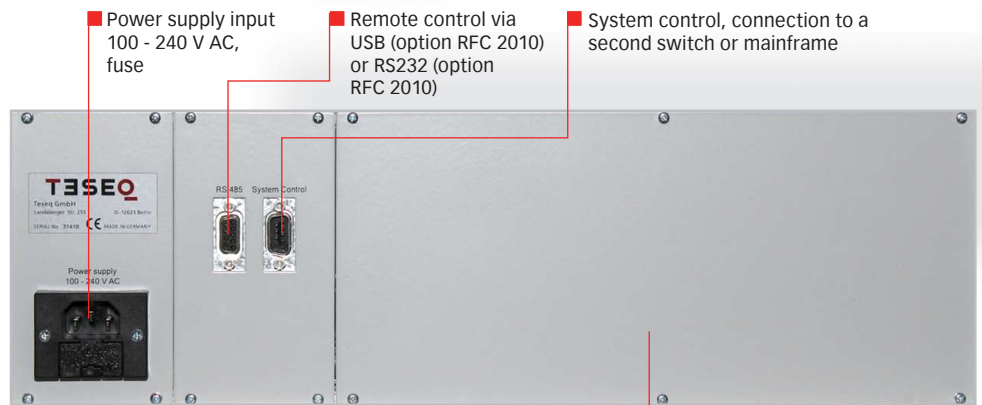
Switch type for the front panel	Connectors	Action		Max. possible switches of this type at front
NFS 1200A	N type	1 to 2		10
SFS 1200A	SMA type	1 to 2		10
SFS 1600A	SMA type	1 to 6		5



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Back panel



Switch type for the back panel	Connectors	Action		Max. possible switches of this type at back
NRS 1200A	N type	1 to 2		8
SRS 1200A	SMA type	1 to 2		8
SRS 1600A	SMA type	1 to 6		4

Technical specification

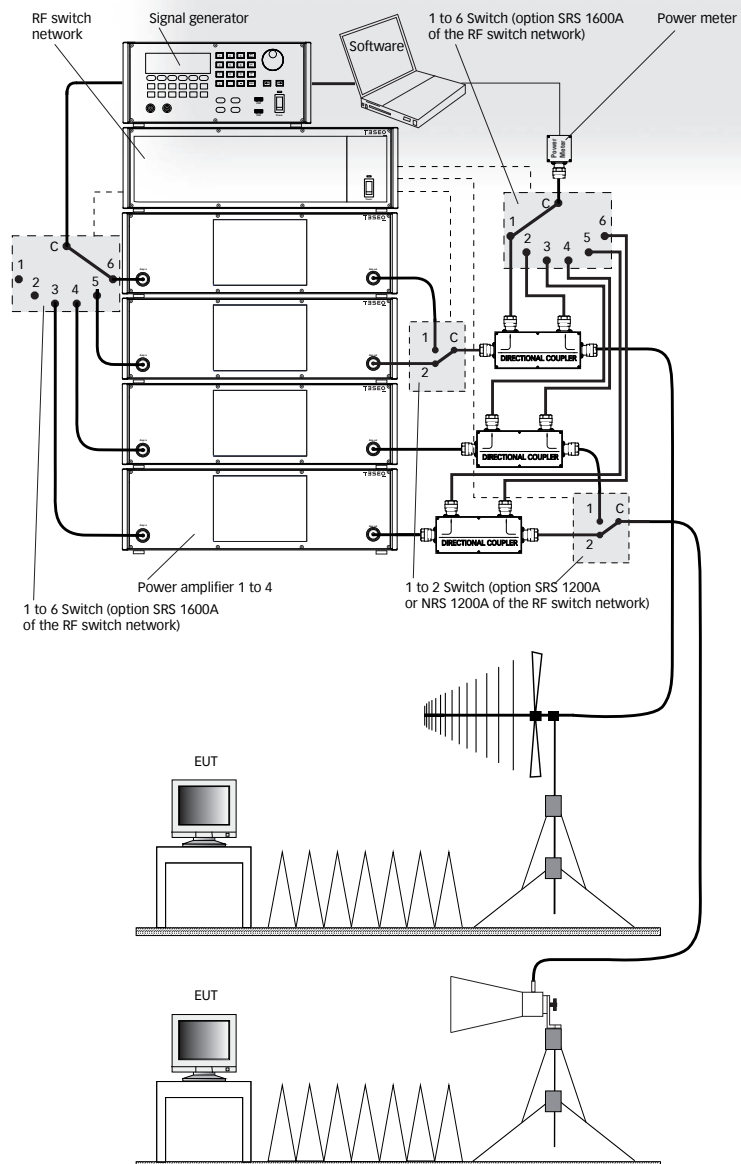
Power supply:	100 - 240 V AC / 47 - 63Hz
Remote control:	USB (option RFC 2010) or RS232 (option RFC 2010)
RF Impedance of the switches:	50 Ω
RF Isolation between the ports:	≥ 55 dB
Switch life time:	1M switch cycles (absence of RF power during switching required)
Operating temperature:	5 - 50°C
Humidity:	< 80% (not condensation)
Dimensions (W/H/D in mm):	483 x 150 x 423
Weight:	approx. 10 kg



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Example of a setup with 4 power amplifier, 3 directional couplers, 1 power meter and 2 antennas



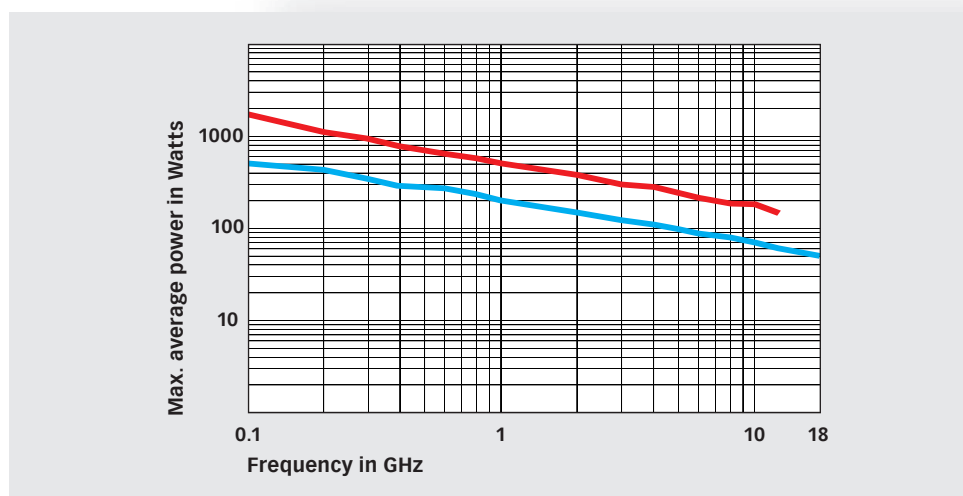
Note: Teseq recommends a short distance between directional coupler and power meter for all applications above 1 GHz. The best solution is a direct mounted power meter on the directional coupler port.



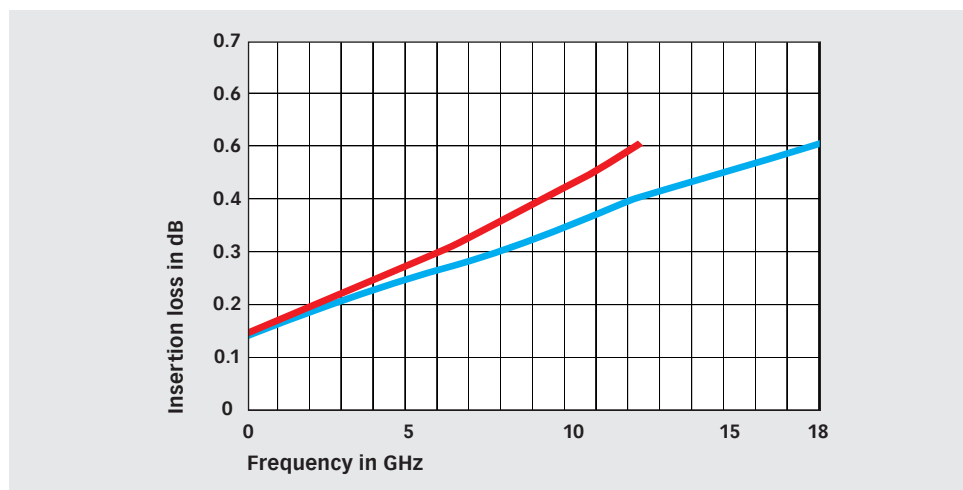
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Max. average power — N type, — SMA type



Insertion loss — N type, — SMA type

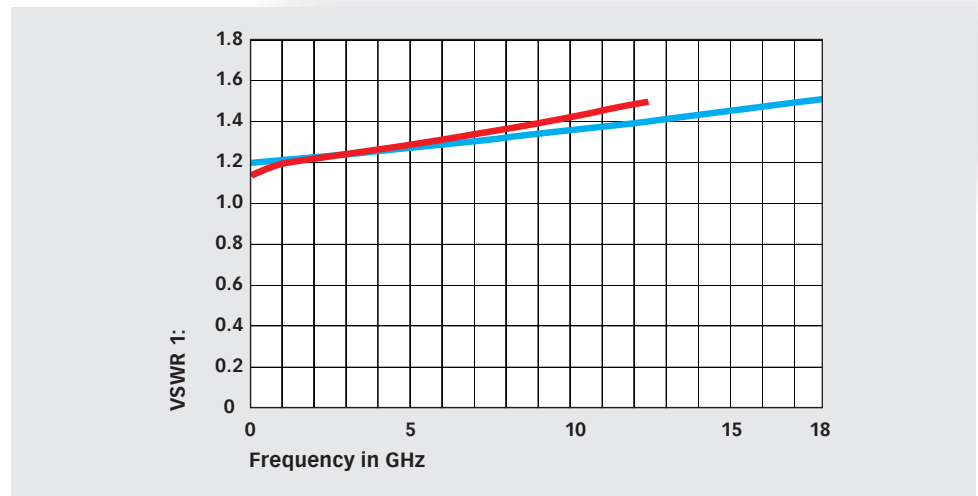




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VSWR — N type, — SMA type



Model range and options

Part number	Description
248020	RFB 2000 RF-Switch: Main unit for 19" rack without switches
248032	RFC 2010 RF-Switch: USB interface (required RFB 2000)
248033	RFC 2020 RF-Switch: RS232 interface (required RFB 2000)
248022	SFS 1200A Plug-in module for front panel with switch 1 to 2, SMA
248023	NFS 1200A Plug-in module for front panel with switch 1 to 2, N
248025	SFS 1600A Plug-in module for front panel with switch 1 to 6, SMA
248026	SRS 1200A Plug-in module for rear panel with switch 1 to 2, SMA
248027	NRS 1200A Plug-in module for rear panel with switch 1 to 2, N
248029	SRS 1600A Plug-in module for rear panel with switch 1 to 6, SMA

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