



SW 6012 RF-SWITCH SOLUTION FOR ITS 6006 / NSG 6000



- Two relays SPDT
- Low insertion loss
- High power handling



SW 6012 control connector view

The **SW 6012** adds two SPDT switches to the built-in switching networks of the ITS 6006 or NSG 6000. It is fully powered and controlled by the ITS 6006 or NSG 6000. Interlock connections are provided for switching the amplifier gain on/off. Additionally the SW 6012 is supplied with a second user port socket for various applications. The SW 6012 can be controlled by the NSG 4070B or NSG 4070C (NSG 4070 and NSG 4070A require SW 4070.).

Technical specifications

Power supply:	12 V DC, 300 mA
Connector type:	Sub-D, 15 pins (for ITS 6006 user port)
Response time:	typical <20 ms
Relay type:	2x SPDT, N sockets 50 Ω
Power handling:	Cold switching only
Power	
up to 100 MHz:	1500 W
up to 400 MHz:	800 W
up to 1 GHz:	500 W
up to 3 GHz:	300 W
up to 6 GHz:	200 W
up to 12.4 GHz:	150 W
VSWR	
0 to 1 GHz:	typ. <1.15
1 to 2 GHz:	typ. <1.2
2 to 4 GHz:	typ. <1.25
4 to 8 GHz:	typ. <1.45
8 to 12.4 GHz:	typ. <1.5
Insertion loss	
0 to 1 GHz:	typ. <0.15 dB
1 to 2 GHz:	typ. <0.2 dB
2 to 4 GHz:	typ. <0.25 dB
4 to 8 GHz:	typ. <0.40 dB
8 to 12.4 GHz:	typ. <0.50 dB
Isolation:	typ. ≥60 dB
Interlock	
Connector type:	BNC female
Indicator:	2x LED

Mechanical specifications

Size (W x H x D in mm):	125 x 82 x 155
Weight:	approx. 1 kg
Size of the 19" rack mounting plate:	132.5 mm x 482.6 mm

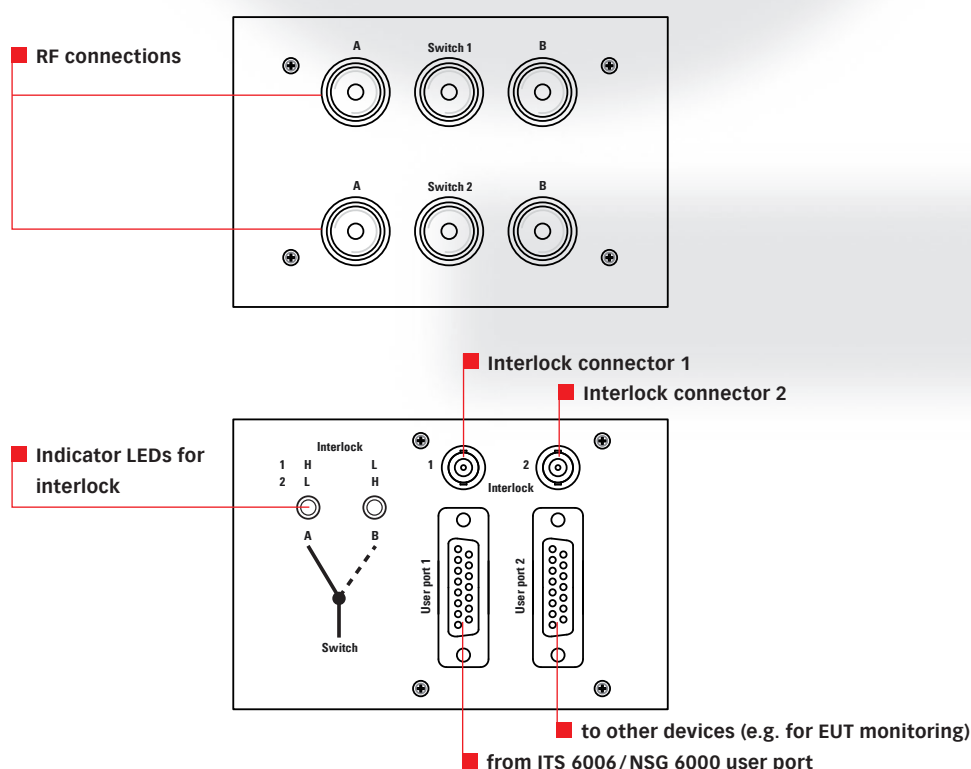
SW 6012

RF-SWITCH SOLUTION FOR ITS 6006 / NSG 6000

Logic

Input	L	H
Switch 1		
Switch 2		
Interlock 1	float	gnd
Interlock 2	gnd	float
LED 1	on	off
LED 2	off	on

Connections and functions



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Model No. and options

Part number	Description
253892	SW 6012 Option for ITS 6006 / NSG 6000: RF-Switch network 2x SPDT

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