

400 mW 232 Way Signal Distribution System 350... 2500 MHz

### **Features**

- wideband
- compact 19" rack design
- amplitude balance ±1 dB typ.

## Applications

- quality assurance: RF power stress tests
- production endtest
- HTOL tests
- DAB / GPS / SDARS / DVB-T ISM 433 / 868 / 2400 MHz GSM, UMTS, LTE
- multichannel transmitters
- research and development (R&D)



## 232 Channels, up to +20 dBm RF Power

The WSDU2500 1X232 system is the compact solution for multichannel signal distributions with 400 mW output power capability per channel.

## **Power Stress Test Applications**

This distribution system is used in quality assurance, production endtest or in research and development (R&D) where multichannel RF power sources are needed.

## **Compact and Flexible**

The WSDU2500\_1X232 system contains all components in form of modules to distribute one signal source to 232 output channels.

The system contains the 6 U WSDU modules: WSDU1X8 (1X8 multicoupler), 100 kHz ... 4000 MHz WSDU-1X8P (1X8 multicoupler), P1 dB ≥ +24 dBm, 350 MHz ... 2500 MHz

# **Customized Solutions**

Based on the WSDU modules, systems with both many and just few outputs can be realized in an easy and flexible way.

Please contact us regarding your requirements.

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Subject to change in specification and design without notice. released version 1.11 - August 2015



## **RF Specifications**

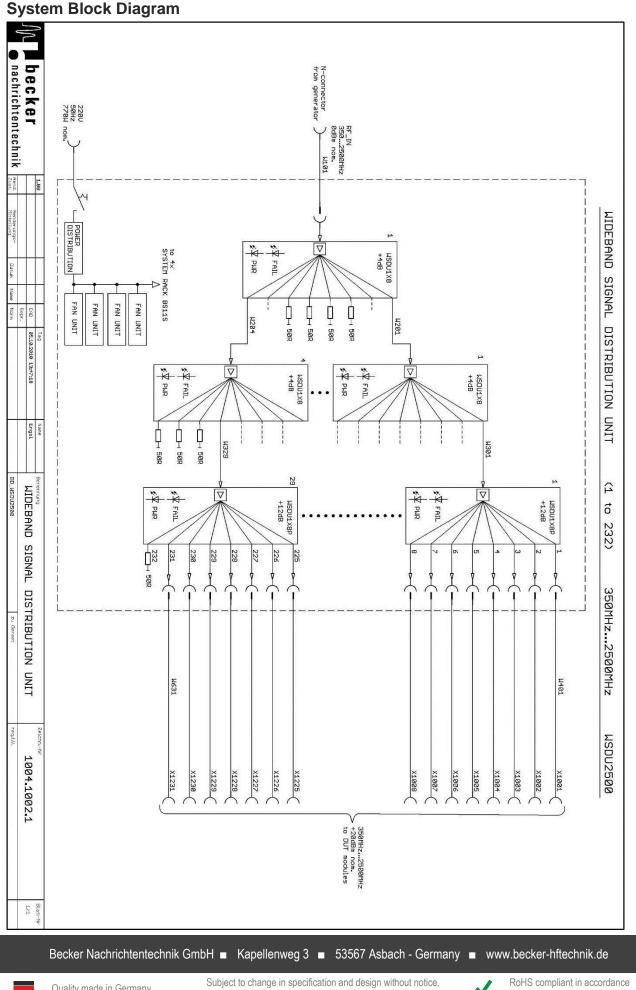
Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition
impedance	Z <sub>IN</sub> / Z <sub>OUT</sub>		50		Ohms	
number of inputs			1			N connector male
input power	P <sub>in</sub>		0	15	dBm	
number of outputs			232			SMA connector male
low frequency	f <sub>min</sub>		300	350	MHz	
high frequency	f <sub>max</sub>	2500	2600		MHz	
output power	Pout	+20	+21		dBm	
harmonics	d2		-35	-25	dBc	
output power balance	$\Delta S_{21}$		±1	±2	dB	output to output
gain	S <sub>21</sub>	7	25	30	dB	

# **Common Specifications**

Parameter	Symbol	Min.	Тур.	Max.	Unit	Condition
cable feedthrough	h		120		cm	from floor, RF output 1232
output cable length	I	2			m	RF cable length from rack to DUT
cable feedthrough	h		165		cm	from floor, RF input
cable length	1		100		cm	RF cable length from rack to
						generator
supply voltage	U		230		V	AC 50 Hz
power consumption	Р		770		VA	without signal generator
dimensions	WxDxH		approx.		mm	34 U 19" system rack
		60	0 x 600 x	1665		
warm up time	T <sub>w</sub>		1		h	
safety class			IP10			
operating temp. range	To	+5		+35	°C	
storage temperature	Ts	-20		+70	°C	

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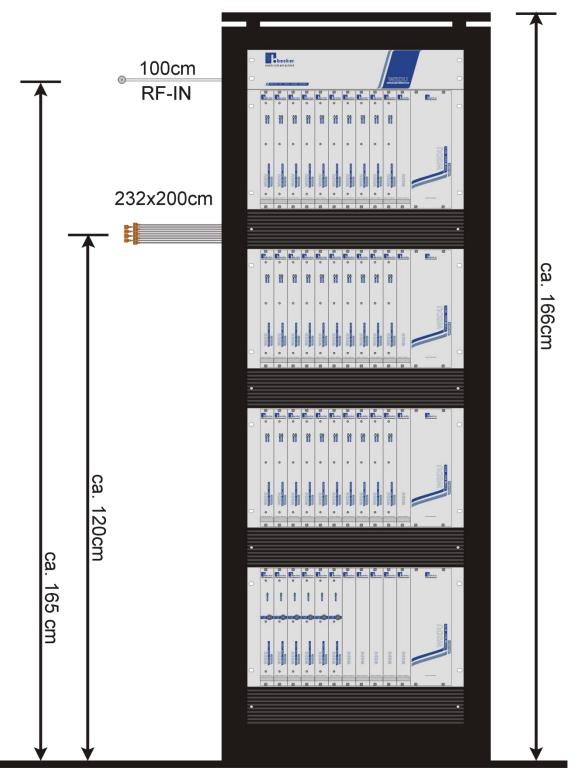


Quality made in Germany

released version 1.11 - August 2015

with EU Directive 2011/65/EU





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RoHS compliant in accordance with EU Directive 2011/65/EU

## **Related Products**

Product	Description	P/N
WSDU-1X10PL	10 Way HTOL System 20 2800 MHz,	1202.6502.1
	P <sub>out</sub> up to 2.8 W per Channel	
WSDU-1X80PL	80 Way HTOL System 20 2800 MHz,	1202.6002.2
	P <sub>out</sub> up to 2.8 W per Channel	
WSDU-1X80PE	80 way Signal Distribution 2 6 GHz	1501.6002.1
	Pout up to 2.5 W per Channel	

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