

**9100A/9200A/9400A-DST**

400Vp-p Single, Dual &amp; Four Channel Signal Amplifiers

## Specifications

CONFIGURATION	
<b>9100A-DST</b>	1 single-ended output
<b>9200A-DST</b>	
Single-ended:	2 separate inputs and two single-ended outputs, bipolar voltage
Unipolar:	1 separate input, two output channels with 180° phase offset, unipolar voltage outputs
<b>9400A-DST</b>	
Single-ended:	4 separate inputs and two single-ended outputs, bipolar voltage
Unipolar:	2 separate input, two output channels with 180° phase offset, unipolar voltage outputs

INPUT CHARACTERISTICS	
<b>Connectors:</b>	Front panel BNCs
<b>Impedance:</b>	1MΩ
<b>Coupling:</b>	DC
<b>Amplitude Level:</b>	8Vp-p (±4V peaks)
<b>Frequency Range:</b>	
Full Power:	DC to 500kHz
Unipolar Mode:	DC to 200kHz
<b>Max. Out. Current:</b>	
9100A-DST:	125mA
9200A-DST:	100mA, per channel
9400A-DST:	50mA, per channel

OUTPUT MONITOR CHARACTERISTICS	
<b>Connectors:</b>	Rear panel BNCs
<b>Source Impedance:</b>	3kΩ
<b>Load Impedance:</b>	1MΩ
<b>Ratio:</b>	10/100MHz

OUTPUT CHARACTERISTICS	
<b>Connectors:</b>	Front panel BNCs
<b>Source Impedance:</b>	0.1Ω
<b>Load Impedance:</b>	
Resistive:	Recommended for full power bandwidth spec, load resistance limited by the output current.
Capacitive:	Up to 100pF has minimal effect on bandwidth, 1nF reduces the full power bandwidth to 100kHz
<b>Coupling:</b>	DC
<b>Protection:</b>	Short-circuit, 10 seconds
<b>Gain:</b>	x50, fixed
<b>Polarity:</b>	Output normal; half wave rectified
<b>Amplitude:</b>	
Full Power:	400Vp-p (±200V)
Unipolar Mode:	0 to +200V
SQUARE WAVE CHARACTERISTICS	
<b>Transition Time:</b>	<1μs
<b>Aberrations:</b>	<10%
SINE WAVE CHARACTERISTICS	
<b>Bandwidth:</b>	-3dB
Small Signal:	1.5MHz, at 20Vp-p
Large Signal:	500kHz, at 400Vp-p
<b>Accuracy:</b>	(2% of full-scale amplitude range+50mV), Square wave at 1kHz
<b>THD:</b>	
10Hz to 50kHz:	0.1%
50kHz to 200kHz:	0.8%

GENERAL	
<b>Voltage:</b>	100V or 115V to 230V
<b>Power Consumption:</b>	120W max.
<b>Dimensions (WxHxD):</b>	
With Feet	315 x 102 x 395 mm
Without Feet	315 x 88 x 395 mm
<b>Weight:</b>	
Without Package	6.5 Kg
Shipping Weight	7.5 Kg
<b>Temperature:</b>	
Operating	0°C to +40°C
Storage	-40°C to +70°C
<b>Warm up time:</b>	30 minutes
<b>Humidity:</b>	85% , non-condensing
<b>Safety:</b>	CE Marked, IEC61010-1:2010
<b>EMC:</b>	IEC 61326-1:2013
<b>Calibration:</b>	1 years
<b>Warranty:</b>	1 year

ORDERING INFORMATION	
MODEL	DESCRIPTION
<b>9100A-DST</b>	400Vp-p Single Channel Signal Amplifier
<b>9200A-DST</b>	400Vp-p Dual Channel Signal Amplifier
<b>9400A-DST</b>	400Vp-p Four Channel Signal Amplifier

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