

# MODELS 9100/9200

## 300Vp-p Single / Dual Channel Signal Amplifiers

### Specification

#### CONFIGURATION

Channels:	
9100	1 single-ended output
9200	2 single-ended outputs

#### INPUT CHARACTERISTICS

No. of channels:	1/2
Connector:	Front panel BNCs
Impedance:	1M $\Omega$ , DC coupled
Damage Level:	50Vp-p
Frequency Range:	DC to 500kHz

#### OUTPUT CHARACTERISTICS

##### GENERAL

Connector:	Front panel BNCs
Impedance:	0.1 $\Omega$ , DC coupled
Protection:	Short-circuit, 10 seconds
Gain:	x15 <sup>(2)</sup> , fixed
Polarity:	Normal
Amplitude:	0 to 300Vp-p ( $\pm 150V$ )
Max. Output Current:	
9100	150mA
9200	100mA

#### SQUARE WAVE CHARACTERISTICS

Transition Time:	< 1.5 $\mu$ s
Aberrations:	< 15%

#### SINE WAVE CHARACTERISTICS

Bandwidth:	-3dB
Small Signal	1MHz, at 20Vp-p
Large Signal	500kHz, at 300Vp-p
Accuracy:	$\pm$ (2% of full-scale amplitude range + 25mV), Square wave at 1kHz

THD:	
10Hz to 10kHz	< 0.1%
10kHz to 200kHz	< 1.2%,

#### GENERAL

Voltage Range:	100V/115V/230V
Frequency Range:	47Hz to 63Hz
Power Consumption:	60W
Signal Ground:	Floated to the same level as the source, 250VDC max.

Dimensions:	
With Feet	315 x 102 x 395 mm (WxHxD)
Without Feet	315 x 88 x 395 mm (WxHxD)

Weight:	
Without Package	6kg
Shipping Weight	7kg

Temperature:	
Operating	0°C to 50°C
Storage	-40°C to 70°C

Humidity:	80% RH, non condensing
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Safety:	CE Marked, IEC61010-1
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Calibration:	1 years
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Warranty <sup>(*)</sup> :	3 years standard
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#### ORDERING INFORMATION

MODEL	DESCRIPTION
9100-15-G <sup>(1)</sup>	300Vp-p Single Channel Signal Amplifier
9200-15-G <sup>(1)</sup>	300Vp-p Dual Channel Signal Amplifier
Gain:	10 through 20, fixed <sup>(2)</sup>
Signal Ground:	G = Tied to Ground; F = Floated Ground

(1) Standard Configuration

(2) Custom gain from x10 to x20 can be ordered however, bandwidth cannot be maintained. Consult the factory before ordering gain above 15.

(3) Specification is given for the standard configuration only

(\*) Standard warranty in India is 1 year.