

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 Ω , DC coupled
Damage Level:	50Vp-p
Frequency Range:	DC to 500kHz

OUTPUT CHARACTERISTICS

GENERAL

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

SQUARE WAVE CHARACTERISTICS

Transition Time:	< 1.5 μ 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

Safety: CE Marked, IEC61010-1

Calibration: 1 years

Warranty^(*): 3 years standard

ORDERING INFORMATION

MODEL	DESCRIPTION
9100-15-G ⁽¹⁾	300Vp-p Single Channel Signal Amplifier
9200-15-G ⁽¹⁾	300Vp-p Dual Channel Signal Amplifier
Gain:	10 through 20, fixed ⁽²⁾
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.