

MODEL 9250

40Vp-p Differential / Dual Channel

Specification

CONFIGURATION

Channels:	2 with single-ended outputs; 1 with differential outputs
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INPUT CHARACTERISTICS

Connector:	Front panel BNCs
Impedance:	50, 75 or 1M
Coupling	DC or AC
Damage Level:	12Vp-p (-6V to +6V peaks)
Frequency Range:	
DC to 15MHz	DC coupled, 50
40kHz to 15MHz	AC coupled, 50 /75
20Hz to 15MHz	AC coupled, 1M

OUTPUT CHARACTERISTICS

GENERAL

Connector:	Front panel BNC
Impedance:	
Single-Ended	50, 75, or 600
Differential	600
Coupling:	DC or AC
Protection:	Short-circuit, 10 seconds
Gain:	$\times 10^{(2)}$, fixed
Polarity:	Normal
Amplitude:	0 to 20Vp-p into matching impedance 0 to 40Vp-p into high impedance

Max. Output Current: 200mA into 50

SQUARE WAVE CHARACTERISTICS

Transition Time:	<22ns
Aberrations:	<7%

SINE WAVE CHARACTERISTICS

Bandwidth:	-3dB
Small Signal	30MHz, at 2Vp-p
Large Signal	15MHz, at 20Vp-p
Accuracy:	$\pm(3\%$ of full-scale amplitude range + 25mV), Square wave at 1KHz
Flatness (10Vp-p):	
DC to 1MHz	5%
1MHz to 15MHz	10%
THD:	0.1%, 10Hz to 100kHz
Harmonics (10Vp-p):	
100kHz to 5MHz	<-50dBc
5MHz to 15MHz	<-40dBc

GENERAL

Voltage Range:	85VAC to 265VAC
Frequency Range:	47Hz to 63Hz
Power Consumption:	25W
Signal Ground:	Grounded to case ground
Dimensions:	
With Feet	315 x 102 x 395 mm (WxHxD)
Without Feet	315 x 88 x 395 mm (WxHxD)
Weight:	
Without Package	3.5kg
Shipping Weight	4kg
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 year
Warranty (*):	3 years standard

ORDERING INFORMATION

40Vp-p Differential / Dual-Channel Signal Amplifier

MODEL 9250-10-50-50-D-S⁽¹⁾

Gain: 10, 15 or 20, fixed⁽²⁾

Input Impedance: 50 = 50 Ω

75 = 75 Ω

1M = 1M Ω

Output Impedance: 50 = 50 Ω

75 = 75 Ω

600 = 600 Ω

Coupling: D = DC

A = AC

Output

Configuration: S = Two separated channels

D = Single channel with differential outputs⁽³⁾

⁽¹⁾ Standard Configuration

⁽²⁾ Custom gain from $\times 10$ to $\times 20$ can be ordered however, bandwidth may change.

⁽³⁾ Output impedance for differential drive is 600 Ω only.

⁽⁴⁾ Specification is given for the standard configuration only

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