

MODEL A10150

150MHz 16Vp-p Single Channel Signal Amplifier

Specification

INPUT CHARACTERISTICS

Channels:	1
Type:	Differential
Connector:	Front panel SMA
Impedance:	50
Coupling:	DC
Damage Level:	6Vp-p (-3V to +3V peaks)
Frequency Range:	DC to 150MHz

OUTPUT CHARACTERISTICS

No. of Channels:	1
Coupling:	DC coupled
Connector:	Rear panel BNC
Gain:	x5, fixed (x10 gain optional)
Polarity:	Normal
Amplitude:	16Vp-p into 50 (20Vp-p opt.)
Max. Output Current:	250mA
Impedance:	50 ±1%
Protection:	Short Circuit to Case Ground, 10s max

SQUARE WAVE CHARACTERISTICS

Transition Time:	
2V step	<1.8ns (typ.)
10V step	<2.6ns (typ.)
Aberration:	
2Vpp	<5%
10Vpp	<10%

SINE WAVE CHARACTERISTICS

Bandwidth (-3dB):	
<2Vpp	200MHz (typ.)
<10Vpp	150MHz (typ.)
Harmonics & Non-Harmonic Distortion (typ.)	
	2Vpp 5Vpp 10Vpp
20MHz	<-59dBc <-52dBc <-50dBc
50MHz	<-52dBc <-45dBc <-36dBc
100MHz	<-35dBc <-30dBc <-40dBc

GENERAL

Voltage:	±15VDC
Power Consumption:	7W
Signal Ground:	Grounded
Dimensions:	45 x 30 x 85 mm (W x H x D)
Weight:	
Without Package	115 g (Standalone)
Shipping Weight	
1 x A10150 Kit	1.25 Kg
2 x A10150 Kit	1.45 Kg
Temperature:	
Operating	0°C to 40°C
Storage	-40°C to 70°C
Humidity:	80% RH, non-condensing
Safety:	CE Marked, IEC61010-1
Calibration:	2 years
Warranty:	1 year

ORDERING INFORMATION

MODEL	DESCRIPTION
A10150-16-5 ⁽¹⁾	150MHz 16Vp-p, Single Channel Signal Amplifier
Output Voltage:	16 = 16Vp-p 20 = 20Vp-p
Gain:	5 = x5 gain, fixed 10 = x10 gain, fixed

(1) Standard Configuration

(2) Specification is given for the standard configuration only