

MODEL A10160

45MHz 34Vp-p Single Channel Signal Amplifier

Specification

INPUT CHARACTERISTICS

Channels: 1
Type: Single Ended
Connector: Front panel SMA
Impedance: 50Ω
Coupling: DC
Damage Level: 6Vp-p (-3V to +3V peaks)
Frequency Range: DC to 45MHz

OUTPUT CHARACTERISTICS

No. of Channels: 1
Type: Single Ended
Coupling: DC coupled
Connector: Rear panel BNC
Gain: x10, fixed (x15 gain optional)
Polarity: Normal
Amplitude:
 Peak 34Vp-p into 50Ω
 Continuous 30Vp-p into 50Ω

Max. Output Current:

Peak 1A
 Continuous 750mA

Impedance: 2.5Ω ±5%

Protection: Short Circuit to Case Ground & thermal protection

SQUARE WAVE CHARACTERISTICS

Transition Time: <10ns (typ.)

Aberration:

10Vpp <5%
 34Vpp <10%

SINE WAVE CHARACTERISTICS

Bandwidth (-3dB):

<10Vpp 45MHz (typ.)
 <34Vpp 30MHz (typ.)

Harmonics & Non-Harmonic Distortion (typ.)

	10Vpp	25Vpp
1MHz	<-58dBc	<-54dBc
10MHz	<-45dBc	<-45dBc
30MHz	<-42dBc	<-30dBc

GENERAL

Voltage: ±20VDC
Power Consumption: 20W
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 A10160 Kit 1.25 Kg
 2 x A10160 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: 1 years

Warranty*: 3 year standard

* 1 year standard in India

ORDERING INFORMATION

MODEL	DESCRIPTION
A10160-10 ⁽¹⁾	45MHz 34Vp-p, Single Channel Signal Amplifier
Gain:	10 = x10 gain, fixed 15 = x15 gain, fixed 20 = x20 gain, fixed

⁽¹⁾ Standard Configuration

⁽²⁾ Specification is given for the standard configuration only