

IA300-B Series

Pre-Amplifier

(With modulation)



1005

The IA300-B provides a convenient means of amplifying and RF modulating external low level frequency sources. It is particularly suited to Isomet's VCO200A oven stabilised voltage controlled oscillator or iDDS high speed, high stability frequency synthesiser. With an output power of up to 1.7W, the IA300-B is directly compatible with Isomet AO modulators, deflectors and AOTF devices.

A video input port is provided to allow for RF amplitude modulation. The intensity of the diffracted first order beam is controlled by varying the video input voltage from 0V (Off) to +5 Volt (On).

SPECIFICATIONS

RF Input/Output Impedance:	50 Ohms Nominal
RF Input Level:	-6.0 dBm (Maximum)
RF Frequency Range:	30-200 MHz minimum
Gain:	39 dB (Adjustable)
Maximum Output Power:	>1.4W (24Vdc) >1.7W (28Vdc)
Modulation (Video) Input:	5.0 Volts (Maximum)
DC Power Input:	+24Vdc or +28.0 Vdc @ 400 mA
Temperature Range:	0 °C to +50 °C Ambient
Mounting Orientation:	Any
Dimensions:	See Outline (Reverse Side)

ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

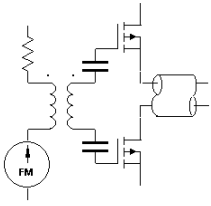
ISOMET CORP, 5263 Port Royal Rd, Springfield, VA 22151, USA.

Tel: (703) 321 8301 Fax: (703) 321 8546

E-mail: ISOMET@ISOMET.COM Web Page: WWW.ISOMET.COM

Quality Assured.

In-house: RF & Digital design
Software Development
OEM manufacture



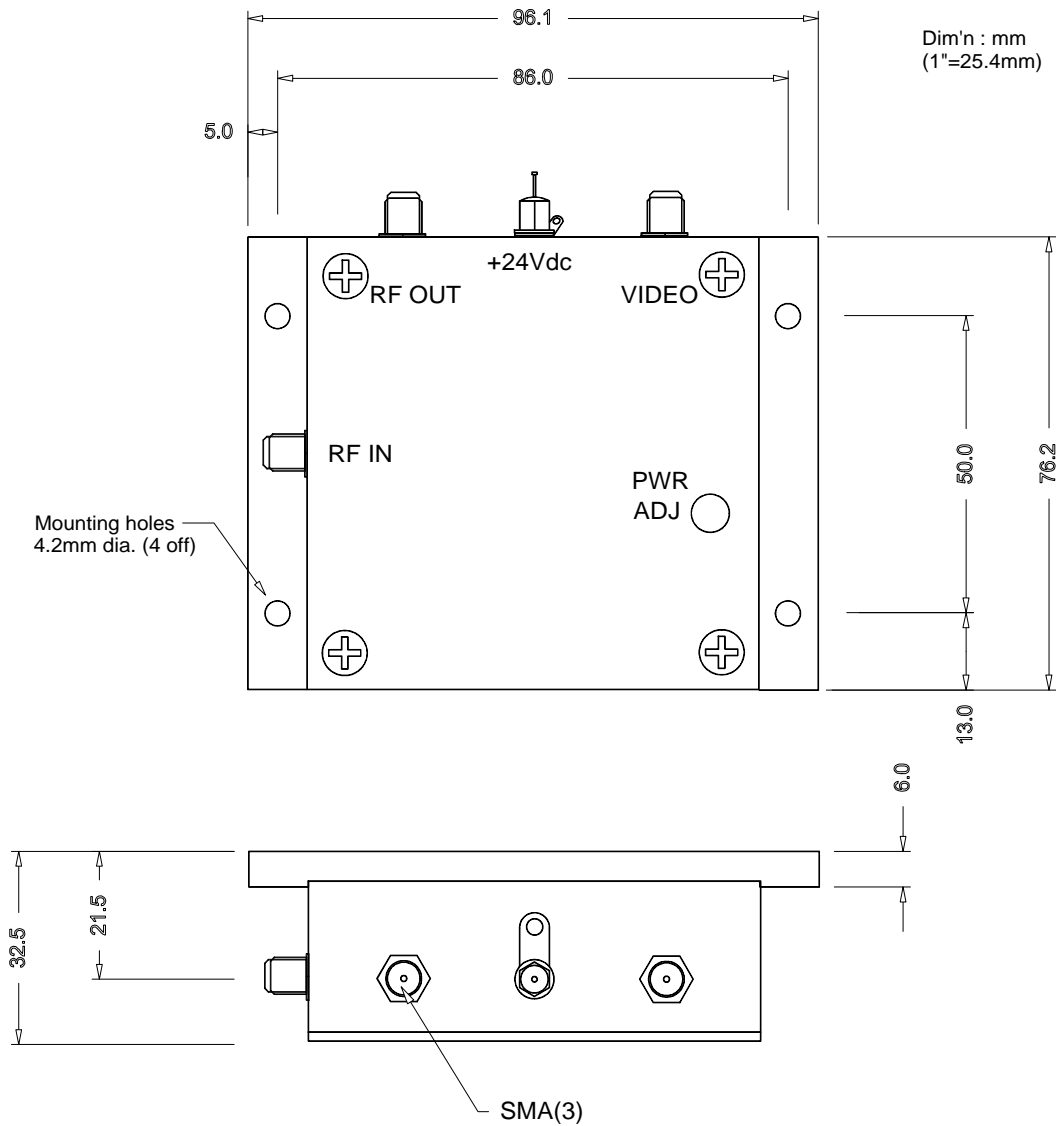
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OUTLINE DRAWING



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