



## AJ0-xxxT Series RF Amplifier



0421

The AJ0-xxxT series are a range of medium power general purpose amplifiers designed to operate with Isomet AO devices. These are ideal for use with the low power frequency sources such as the Isomet iMS synthesizers. The maximum output level is adjustable and pre-set using the multi-turn PWR ADJ potentiometer.

Efficient heat transfer from the driver requires that the mounting base **MUST** be attached to an external heat sink not exceeding 60°C in temperature.

### SPECIFICATIONS

Input / Load impedance:	50Ω nominal
RF Input Level:	3dBm maximum, 0dBm typical
Harmonics at 10W:	< 25dBc
RF Gain :	> 40dB, adjustable
Flatness, (0dBm input) :	Better than +/- 1.5dB across bandwidth
Output rise/fall time :	< 50nsec
DC Power Input :	Filtered screw terminals
Power Supply, Vdc :	+24V to +28Vdc, 1.0% regulation, < 3A
Interlock :	Open OFF, closed ON (Sink 20mA at Vdc)
Temperature Range:	0°C to 60°C ambient.
Mounting Orientation:	Any. Ensure driver is mounted on a suitable heatsink

### MODELS

Model	3dB Bandwidth	RF Power (24Vdc)
AJ0-40T-1-15	30 - 50MHz	>15W
AJ0-40T-1-25	30 - 50MHz	>25W
AJ0-50T-1-15	40 - 60MHz	>15W
AJ0-80T-1-10	60 - 100MHz	>10W
AJ0-110T-1-10	85 - 135MHz	>10W
AJ0-120T-1-15	100 – 140MHz	>15W
AJ0-200T-1-10	170 – 230MHz	>10W

Other options available. Please contact Isomet

#### ALL SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

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#### Quality Assured.

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

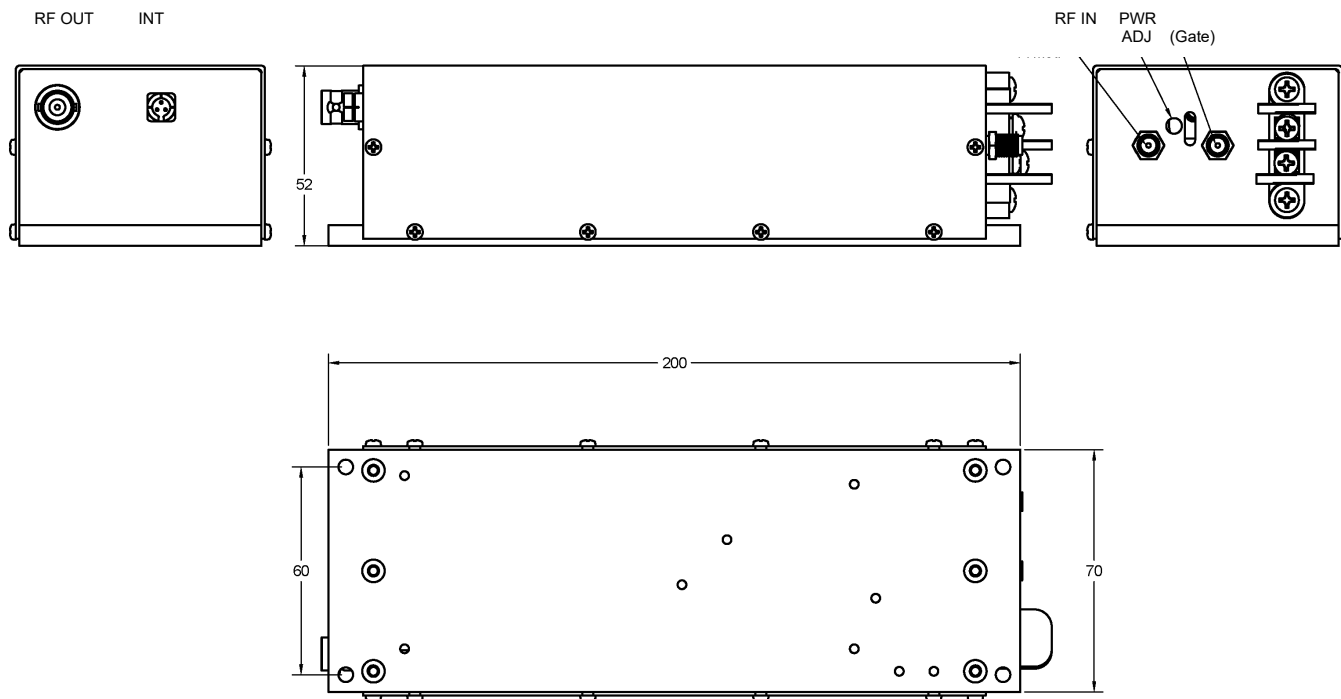


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### OUTLINE DRAWING



Temperature at mounting face must not exceed 60°C.

INT = Interlock connector, Binder 719 series 3-way connector, pin1 – pin2  
Connect to AO device fitted with over-temperature trip.

GATE input = 5V logic Low = ON

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