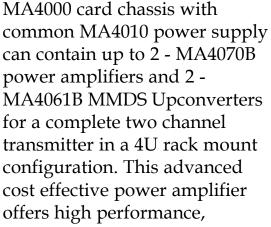
The **MA4070B** is a solid state, fixed gain power amplifier for MMDS applications. The MA4070 has an instantaneous bandwidth of 100 MHz in the 2.5 to 2.7 GHz frequency band. High linearity permits the MA4070B to operate with high level digital (64 QAM) signals, or with analog video signals. The MA4070B is a modular plug-in designed

for use with the WaveCom MA4000 Series. Each

Card Features:

- RF High, RF Low, and High Reverse Power alarms
- Linear transmit power for 64 QAM modulation
- May be operated as high with video
- Amplifier may be disabled via front panel or remote control
- Fully protected against reverse power
- High reliability, state of the art design using microstrip MMIC and surface mount technology; conservative component derating and 100% burn in help ensure reliable operation
- Low power consumption



flexibility and space efficiency.

System Features:

- Local control via LCD and 4 soft touch push buttons
- Remote control and monitoring via front panel configured RS232/RS485
- Durable design is reflected in the stainless steel chassis, active cooling, and lexan labels
- International internal switching power supply (100 to 240 VAC)

WaveCom Electronics Inc. 222 Cardinal Crescent Saskatoon, Sk, Canada S7L 6H8 TEL: (306) 955-7075 FAX: (306) 955-9919 Website: www.WaveCom.ca E-mail: sales@WaveCom.ca



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SPECIFICATIONS - WAVECOM MA4070B

Power Amplifier Module

RF

Output Frequency

Output Power Gain Gain Stability Gain Flatness Mute Level Spurious Inband Out of band Sync Pulse Compression Spectral Sideband Regrowth Input Impedance Output Connector Front Panel Indicators

Miscellaneous

Remote Control Interface Remote Control Connector Operating Temperature MA4010 Power Supply (included with MA4000 chassis) Shipping Weight MA4000 chassis with MA4010 PS MA4070B Power Amplifier Module (each) Dimensions (MA4000 chassis) Mounting (MA4000 chassis)

Other Features

Local and Remote Control RF Output Disable Via Local or Remote Control 2500 to 2600 MHz (any 100 MHz band available from 2500 to 2700 MHz) FCC emission mask approved for 31.5 dBm 34 dB ±2 dB, fixed ±0.5 dB (10 to 40°C) ±0.3 dB over 6 MHz -60 dBc

-55 dBc -55 dBc 2 IRE max (analog video, 7 W) -35 dBc max. (64 QAM, 2 W) 50 ohm N female DC power RF High RF Low High Reverse Power

RS232/RS485 RJ45 (in and out) 10 to 40°C (50 to 104°F)

100 to 240 VAC; 50/60 Hz

18 lbs. (8.2 kg) 6.2 lbs. (2.8 kg) 19" (w) x 13.7" (d) x 7" (h) (48.3 x 34.8 x 17.8 cm) Standard 19" rack - 4U (7.0")



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