



Low Noise Amplifiers

Space Qualified

AM-S500X Series

Electrical Specifications

Part #	AM-S5001	AM-S5002	AM-S5003	AM-S5004	AM-S5005	AM-S5006
Frequency Range	20–60 MHz	60–100 MHz	100–176 MHz	154–322 MHz	288–576 MHz	520–900 MHz
Gain	21.0 dB ±0.9	27.0 dB ±0.9	3.5 dB ±0.9	34.0 dB ±0.9	35.0 dB ±1.1	38.0 dB ±1.2
Gain Variations	0.6 dB	0.6 dB	0.6 dB	0.6 dB	0.6 dB	0.6 dB
Noise Figure	1.7 dB	1.9 dB	1.9 dB	1.7 dB	2.0 dB	2.5 dB
RF Input Power, max	–12 dBm	–2 dBm	+3 dBm	+9 dBm	+14 dBm	+16 dBm
Reverse Isolation	23 dB	32 dB	45 dB	44 dB	40 dB	40 dB
Output Intercept IP3	29 dBm	32 dBm	31 dBm	31 dBm	32 dBm	30 dBm
Supply Current	55 mA	70 mA	115 mA	110 mA	110 mA	115 mA
Supply Voltage	+18V	+18V	+18V	+18V	+18V	+18V

Specifications Subject to Change Without Notice.

M/A-COM Inc. ■ 1011 Pawtucket Boulevard, Lowell, MA 01853 USA

■ Telephone: 800-366-2266