



Low Noise Amplifiers Space Qualified

AM-S502X Series

V2.00

Electrical Specifications

Part #	AM-S5022	AM-S5023	AM-S5024	AM-S5025	AM-S5026	AM-S5027
Frequency Range	20–100 MHz	100–190 MHz	170–360 MHz	320–670 MHz	630–1250 MHz	1150–2100 MHz
Gain	27 ±1.0 dB	27 ±1.0 dB	27 ±1.0 dB	27 ±1.0 dB	31 ±1.3 dB	31 ±1.3 dB
Gain Variation	0.7 dB	0.8 dB	0.7 dB	0.7 dB	0.8 dB	0.8 dB
Noise Figure	1.5 dB max	1.9 dB max	1.9 dB max	1.9 dB max	1.7 dB max	1.7 dB max
RF Input Power, max	+10 dBm	+10 dBm	+10 dBm	+10 dBm	+10 dBm	+10 dBm
Reverse Isolation	30 dB min	38 dB min	38 dB min	38 dB min	45 dB min	45 dB min
Output Intercept IP2	36 dBm	36 dBm	36 dBm	36 dBm	35 dBm	35 dBm
Output Intercept IP3	25 dBm	25 dBm	25 dBm	25 dBm	25 dBm	28 dBm
Power Consumption (2)	1.3 W	1.1 W	1.1 W	1.1 W	2.0 W	2.0 W
Supply Voltage	+18V	+18V	+18V	+18V	+8V	+8V
Supply Current	72 mA	61 mA	61 mA	61 mA	250 mA	250 mA

Specifications Subject to Change Without Notice.

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