



SINGLE SOURCE FOR POWER AMPLIFIERS

- ▲ With over 35 years of satellite industry experience, MCL has the history, knowledge and support network to take the position as the worldwide leader in the manufacture of solid state power amplifiers.
- ▲ Solid state design provides maximum performance consistency and reliability, as well as maximum efficiency and superior linearity performance.
- ▲ A high efficiency, cooling subassembly provides cooling for both the SSPA module and power supply.
- ▲ Low voltage power supply puts less stress on components resulting in higher reliability and longer trouble-free life.

MAXXIM

S - S E R I E S
SOLID STATE POWER AMPLIFIER

UP TO 400W C-BAND & 80W KU-BAND

- ▲ **Advanced Solid State Circuit Design**
- ▲ **Superior Linearity/ Intermodulation Product**
- ▲ **High Reliability**
- ▲ **Low Maintenance**
- ▲ **Low Power Consumption**
- ▲ **Maximum Thermal Efficiency**

MX 1000S

Weather-resistant, antenna mount design for outdoor and transportable applications



MX 1500S



Compact cabinet mount design ideal for flyaway uplink systems or the tight console of a Satellite News Vehicle (SNV)

ISO 9001



**SSPA TECHNOLOGY
FOR THE XXIST CENTURY**

AVAILABLE MODELS

Antenna Mount MX1000S C-BAND KU-BAND

Model	Frequency	Power Output @ 1dB Compression	Power Gain @ 1dB Compression	Prime Power Consumption	Package Size
MX1000S-005C	5.850-6.425 GHz	5W min.	59dB min.	120 VA max.	20.0"L x 9.0"W x 6.25"H
MX1000S-010C	5.850-6.425 GHz	10W min.	62dB min.	240 VA max.	20.0"L x 9.0"W x 6.25"H
MX1000S-025C	5.850-6.425 GHz	25W min.	65dB min.	350 VA max.	20.0"L x 9.0"W x 10.55"H
MX1000S-050C	5.850-6.425 GHz	50W min.	67dB min.	550 VA max.	20.0"L x 9.0"W x 10.55"H
MX1000S-080C	5.850-6.425 GHz	80W min.	69dB min.	800 VA max.	21.5"L x 14.5"W x 12.8"H
MX1000S-100C	5.850-6.425 GHz	100W min.	70dB min.	900 VA max.	21.5"L x 14.5"W x 12.8"H
MX1000S-125C	5.850-6.425 GHz	125W min.	71dB min.	1200 VA max.	21.5"L x 14.5"W x 12.8"H
MX1000S-150C	5.850-6.425 GHz	150W min.	72dB min.	1400 VA max.	21.5"L x 14.5"W x 12.8"H
MX1000S-200C	5.850-6.425 GHz	200W min.	73dB min.	2200 VA max.	30.7"L x 21.0"W x 13.7"H
MX1000S-005K	14.0-14.5 GHz	5W min.	53dB min.	140 VA max.	20.0"L x 9.0"W x 6.25"H
MX1000S-010K	14.0-14.5 GHz	10W min.	54dB min.	280 VA max.	20.0"L x 9.0"W x 6.25"H
MX1000S-025K	14.0-14.5 GHz	25W min.	55dB min.	600 VA max.	21.5"L x 14.5"W x 12.8"H
MX1000S-040K	14.0-14.5 GHz	40W min.	56dB min.	850 VA max.	27.5"L x 14.5"W x 12.8"H
MX1000S-050K	14.0-14.5 GHz	50W min.	57dB min.	1200 VA max.	27.5"L x 14.5"W x 12.8"H
MX1000S-080K	14.0-14.5 GHz	80W min.	59dB min.	2000 VA max.	30.7"L x 21.0"W x 13.7"H

Cabinet Mount MX1500S C-BAND KU-BAND

MX1500S-005C	5.850-6.425 GHz	5W min.	59dB min.	120 VA max.	20.0"L x 19.0"W x 5.25"H
MX1500S-010C	5.850-6.425 GHz	10W min.	62dB min.	240 VA max.	20.0"L x 19.0"W x 5.25"H
MX1500S-025C	5.850-6.425 GHz	25W min.	65dB min.	350 VA max.	20.0"L x 19.0"W x 5.25"H
MX1500S-050C	5.850-6.425 GHz	50W min.	67dB min.	550 VA max.	20.0"L x 19.0"W x 5.25"H
MX1500S-080C	5.850-6.425 GHz	80W min.	69dB min.	800 VA max.	20.0"L x 19.0"W x 6.0"H
MX1500S-100C	5.850-6.425 GHz	100W min.	70dB min.	900 VA max.	20.0"L x 19.0"W x 6.0"H
MX1500S-125C	5.850-6.425 GHz	125W min.	71dB min.	1200 VA max.	20.0"L x 19.0"W x 10.5"H
MX1500S-150C	5.850-6.425 GHz	150W min.	72dB min.	1400 VA max.	20.0"L x 19.0"W x 10.5"H
MX1500S-200C	5.850-6.425 GHz	200W min.	73dB min.	2200 VA max.	20.0"L x 19.0"W x 10.5"H
MX1500S-300C	5.850-6.425 GHz	300W min.	75dB min.	3300 VA max.	20.0"L x 19.0"W x 24.5"H
MX1500S-400C	5.850-6.425 GHz	400W min.	76dB min.	4600 VA max.	20.0"L x 19.0"W x 36.75"H
MX1500S-005K	14.0-14.5 GHz	5W min.	53dB min.	140 VA max.	20.0"L x 19.0"W x 5.25"H
MX1500S-010K	14.0-14.5 GHz	10W min.	54dB min.	280 VA max.	20.0"L x 19.0"W x 5.25"H
MX1500S-025K	14.0-14.5 GHz	25W min.	55dB min.	600 VA max.	20.0"L x 19.0"W x 8.75"H
MX1500S-040K	14.0-14.5 GHz	40W min.	56dB min.	850 VA max.	20.0"L x 19.0"W x 8.75"H
MX1500S-050K	14.0-14.5 GHz	50W min.	57dB min.	1200 VA max.	20.0"L x 19.0"W x 8.75"H
MX1500S-080K	14.0-14.5 GHz	80W min.	59dB min.	2000 VA max.	20.0"L x 19.0"W x 17.5"H

MCL's MX1000S and MX1500S SSPAs are available in X-Band to 200W

For detailed specifications, pricing and availability, contact MCL.
All MX1000S and MX1500S solid state power amplifiers are available in 1 + 1 and 1 + 2 redundant configurations.



MCL, INC

501 S. Woodcreek Road, Bolingbrook, IL U.S.A., 60440-4999
630-759-9500 FAX: 630-759-5018

24-HOUR CUSTOMER SUPPORT NUMBER
IN THE USA: 1-800-743-4625 • OUTSIDE THE USA: 312-461-4536
INTERNET ADDRESS: <http://www.mcl.com>