

2320000608

SEAS 4020

Line amplifier, up to 16 outlets (+20db)



- ✓ Proven and reliable technology
- ✓ Simple and easy installation
- ✓ No additional accessories in system setup
- ✓ Excellent ESD and Surge protection
- ✓ Line amplifier for worldwide marine use
- ✓ Sturdy die-cast housing conforming to protection class IP54

Description

The SEAS 4020 is a robust line amplifier designed to ensure reliable signal distribution in demanding marine environments. Supporting up to 16 outlets with a +20 dB gain, it provides consistent and stable performance across onboard audio systems. Built on proven technology, the SEAS 4020 offers dependable operation and long service life, even under harsh conditions.

Its compact design allows for simple and efficient installation without the need for additional accessories. Housed in a sturdy die-cast enclosure with IP54 protection, the SEAS 4020 is well suited for worldwide marine use, delivering excellent protection against ESD and surge events.

Specifications

GENERAL

Dimension (HxWxD) (mm)	(H) 230 x (W) 165 x (D) 82 mm
Housing	Aluminium Die-casting, Finishing: Black painted
Connectors	IN,OUT: 5/8"-24 NEF F- Female to 3/8"-32 UNEF F-Female Adaptor
Cord Bushing	Ø12.5, Black : Relay Control
Weight	2.5Kg

ELECTRICAL SPECIFICATION

Frequency Range	Freq. Range (MHz)	0.1 ~ 26.5; 40 ~ 890 MHz
Gain Antenna out	0.1 ~ 26.5 .	12.0 dB min
	40 ~ 110	18.0 dB min.
	170 ~ 890	20.0 dB min.
Return Loss Out	40 ~ 270	11.0 dB*
	110 ~ 170	none
	200 ~ 890	16.0 dB*
Antenna	40 ~ 830	11. dB*
Noice Figure		7.5 dB max.
Flatness of Frequency Response		+/- 2 dB max.
Max. Output Level, 2 signals		105 dBuV, 3rd order IMD
Variation of Gain with Temperature		0.02 dB/C max.
Manual Attenuation FM	40 ~ 110 MHz	0 ~ 20 dB
Manual Attenuation FM	170 ~ 890 MHz	0 ~ 20 dB
Current Consumption		150 mA +/- 10%

*) At 40 MHz -1.5 dB/oct.

GENERAL SPECIFICATIONS

Amplifier Current	200 mA max.
Ripple	2mV RMS Max.
AC Cord	Schuko type § 4.8 mm 2 Round pin + Ground port, 1.5 m cord
Operating Temperature	-40 to +60°C

EMC & SAFETY

EMC	EN50083-2, EN61000-3- 2/3-3
Safety	EN60945, EN60065, EN60728
Dielectric Strength Test**	1 mA max.
Protective Earth Connection***	1 V AC max.

**) Test by Voltage Meter
applied between the
protective earth contact of
the mains plug and all
accessible conductive
parts.

***) Test by Hi-Pot tester.