

2320000610

## SEAS 4040

Line amplifier, up to 48 outlets (+36/42db)



- ✓ 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

### SEAS 4040 Line Amplifier for Coax TV Distribution

The SEAS 4040 is a line amplifier designed for cost-efficient TV distribution onboard vessels.

It enables stable signal levels across long coax cable runs and multiple outlets.

Automatic Level Control ensures consistent performance even with varying input signals.

Well suited for newbuilds and retrofits where existing coax infrastructure is reused.

A practical solution for reliable onboard TV with low system complexity.

# Specifications

## GENERAL

|                           |  |
|---------------------------|--|
| Dimension (HxWxD)<br>(mm) | (H) 265 x (W) 190 x (D)<br>110 mm                                |
| Housing                   | Aluminium Die-casting,<br>Finishing: Black painted               |
| Connectors                | IN: 5/8"-24 NEF F-Female<br>to 3/8"-32 UNEF F-<br>Female Adaptor |
|                           | OUT: F-Female<br>Connector (4 pcs)                               |
| Weight                    | 3.5Kg  |

## ELECTRICAL SPECIFICATION

|                                       |                         |                         |
|---------------------------------------|-------------------------|-------------------------|
| RF Amplification                      | Push-Pull Hybrid Module |                         |
| Operation Gain IN-OUT<br>w/ RA        | 100 KHz .               | 16.5 dB min.            |
| Operation Gain IN-OUT                 | 5 MHz                   | 22.0 dB min.            |
| Operation Gain IN-OUT                 | 27 MHz                  | 27.0 dB min.            |
| Operation Gain IN-OUT                 | 47~862 MHz              | 36.0 dB min. w          |
| Operation Gain IN-OUT                 | 47~862 MHz              | 42.0 dB min. w          |
|                                       | 200 ~ 890               | 16.0 dB*                |
| Antenna                               | 40 ~ 830                | 11. dB*                 |
| Noice Figure                          |                         | 7.5 dB max.             |
| Flatness of Frequency<br>Response     |                         | +/- 2 dB max.           |
| Max. Output Level, 2<br>signals       |                         | 105 dBuV, 3rd order IMD |
| Variation of Gain with<br>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<br>Round pin + Ground port,<br>1.5 m cord |
| Operating Temperature | -40 to +60°C   |

## EMC & SAFETY

|                                   |                                |
|-----------------------------------|--------------------------------|
| EMC                               | EN50083-2, EN61000-3-<br>2/3-3 |
| Safety                            | EN60945, EN60065,<br>EN60728   |
| Dielectric Strength Test**        | 1 mA max.                      |
| Protective Earth<br>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.