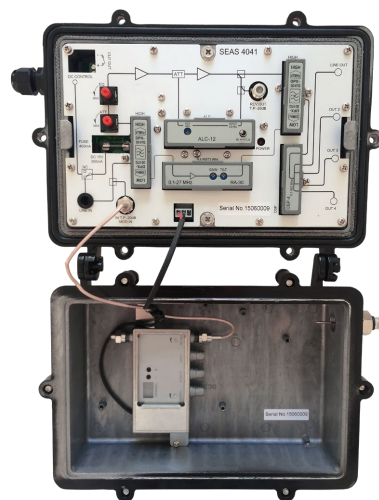




SEAS 4041

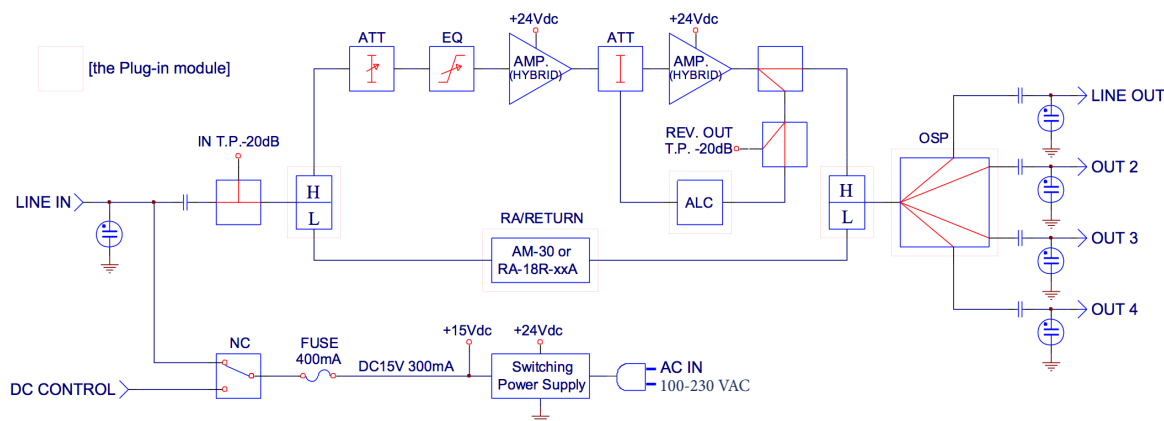
Line Amplifier; 56/64 outlets; 36/44 dB



SEAS 4041 for 56/64 outlets (36/44dB)
Size: (L) 265 x (W) 190 x (H) 110 mm

FEATURES

- Digital and Analogue
- Worldwide Marine use
- 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
- Advanced ALC (Automatic Level Control) with LO-HI switch
- Test points on input and output
- Sturdy die-cast housing conforming to protection class IP54
- Multistandard modulator built in for PAL, SECAM, NTSC



DESCRIPTION

SEAS 4041; 56/64 outlets; 36/44 dB

PART NO

4041

SEAS 4041_Rev. 1.2.pdf



SEAS 4041

Line amplifier; 56/64 outlets; 36/44 dB

TECHNICAL SPECIFICATION

Size (H) 265 x (W) 190 x (D) 110 mm
Housing Aluminium Die-casting, Finishing: Black painted
Connectors IN: 5/8"-24 NEF F-Female to 3/8"-32 UNEF F-Female Adaptor
OUT: F-Female Connector (4 pcs)
Weight 3.50 Kg

Electrical Specification

RF Amplification Operation Gain	Push-Pull Hybrid Module	
	(w/ RA-30)	
IN-OUT	100 KHz	16.5 dB min.
	5 MHz	22.0 dB min.
	27 MHz	27.0 dB min.
	47~862 MHz	36.0 dB min. w. 4 outputs
	47~862 MHz	42.0 dB min. w. 1 output
Operation Gain		44.0 dB min.
Gain Control		0~ -18.0 dB (adj.)
Slope Control	(w/ MS-86/ 18)	0~ -18.0 dB (adj.)
Auto Level Control	(w/ ALC-12)	+/-12.0 dB
Noise Figure	47~862 MHz	8.0 dB typ. 9.0 dB max.
Output Level (Reference)	55/ 550/ 862 MHz	77 NTSC chs. +312 MHz digital* (97 / 102 / 94 dBu V)
Composite Second Order (CSO)		-60 dBc
Composite Triple Beat (CTB)		-60 dBc
Cross Modulation (XMOD)		-60 dBc
Return Loss	100~300 KHz	6 dB min.
(w/ Jumpers)	300 KHz~27 MHz	14 dB typ. 12 dB min.
	47~862 MHz	12 dB typ. 10 dB min.

General Specifications

Input Voltage	100-230 VAC +/-5% / 50/60Hz.
Input & Output Test Ports	-20 +/- 2 dB, F-Female
Input & Output Impedance	75 Ohm
Surge Protection	7000 V for 1.2 x 50 µs
Fuse (For Power Supply)	0.2 A / 250 V (230 Vac)
Power Consumption (Including Powering output to Antenna)	35 W
AC Cord	AC Inlet Module; 1,5m cord w. Schuko
Operating Temperature	-40 to +60°C
Muting	Build-in relay activated by singel pole switch.

EMC & Safety

EMC	EN60945:2002, EN55027-2, EN61000-3-2/3-3/4-2-4-6
Safety	EN60950, EN60601
Dielectric Strength Test**	>2M Ohm, <1m A @2120VDC
Protective Earth Connection***	<0.1 Ohm



Modulator Specifications

Video input

Frequency range	20 Hz - 6 MHz
Level/impedance	1 V +/- 0.1 V/75 Ohm

Audio input

Frequency range	20 Hz - 15 kHz
Level Adjustment	0 - 7dB
Level/impedance/deviation****	2x775 mV RMS/10 kOHM/50 kHz

RF Output

Level adjustment	0 Hz - 20 dB
Output channels according channels charts	B/G/D/K/H/I/L/M/N/Australia
Frequency range	45-84 MHz, 170-300 MHz, 470-862 MHz
Sound subcarrier frequency	4.5 MHz, 5.5 MHz, 6.0 MHz, 6.5 MHz
Fine tuning range of video carrier frequency	+/- 2.25 MHz max. by 0.25 MHz step
Video frequency response	+/-1 dB
A/V ratio	12/16 dB
Amplitude modulation depth, typical	81%
Signal/noise ratio, weighted	>/-55 dB

TV system	Dis-played	Audio Subcarrier	Video standard
B/G	b5	5.5 MHz	PAL
D/K	d6	6.5 MHz	PAL/SECAM
Australia	A5	5.5 MHz	PAL
I	,6	6.0 MHz	PAL
L	L6	6.5 MHz	SECAM
M	J4	4.5 MHz	PAL/NTSC
N	U4	4.5 MHz	PAL/NTSC

- *) For digital channels at 550~862 MHz, carriers arc -10 dB lower relative to analog channels.
**) Test by Hi-Pot tester.
***) Test by Voltage Meter applied between the protective earth contact of mains plug and all accessible conductive parts.
*****) Available to set standard deviation +/-50 kHz of sound carrier when input level 340mV-775mV in both audio input.

All specifications stated are subject to change without notice.