

TV-amplifier A3540

A3540 broadband TV-amplifier covers all international VHF and UHF TV-frequencies. It is intended for use in shipborne CAS-systems and is well suited for distribution of digitally modulated signals. A separate S-band input is provided for distribution of e.g. satellite signals.

Two separate automatic level control circuits (ALC) help maintain the output level stable under the varying conditions often encountered aboard ships.

A push-pull hybrid amplifier in the final stage keeps intermodulation to a minimum.

TECHNICAL SPECIFICATIONS

Gain/Frequency range

VHF 170-230 MHz	37 ± 2 dB
S 244-446 MHz	32 ± 2 dB
UHF 470-890 MHz	40-44 ± 2 dB*
Gain flatness	<1 dB within any ch.
Manual attenuation	0-20 dB

ALC

Max. output level VHF	118 ± 2 dBμV (1 sign.)
Max. output level UHF	123 ± 2 dBμV (1 sign.)
Range VHF	>40 dB
Range UHF	>30 dB

3rd order intermodulation

VHF/UHF	<60 dBc (ALC limited)
S; 26 ch, 108 dBμV	<60 dBc

Return loss >20 dB**

Noise figure <6 dB

Impedance 75 Ω

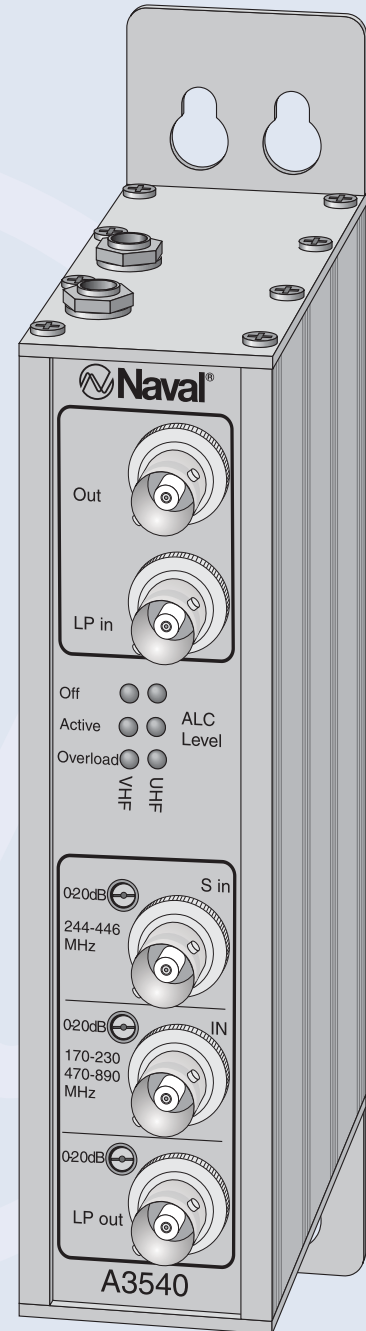
Supply voltage 24 V ± 10%
Current consumption 330 mA ± 10%

EMC EN60945:2002,
EN50083-2

Operational temp. range -40 to 40°C

* 4 dB positive tilt

** At 40 MHz -1.5 dB/octave



Size: (H) 210 x (W) 41X (D) 96 mm

0605

Since 1971, the objective of Naval Electronics has been to offer the best possible products for TV and Radio reception at sea. Naval began with omnidirectional antennas and is the world leader in this field of technology today. Now, with an expanded product range, the name Naval means much more than antennas. Naval operates in more than 40 countries and has installations on thousands of vessels all over the world.

All specifications stated are subject to change without notice.



Marine Broadband Communication

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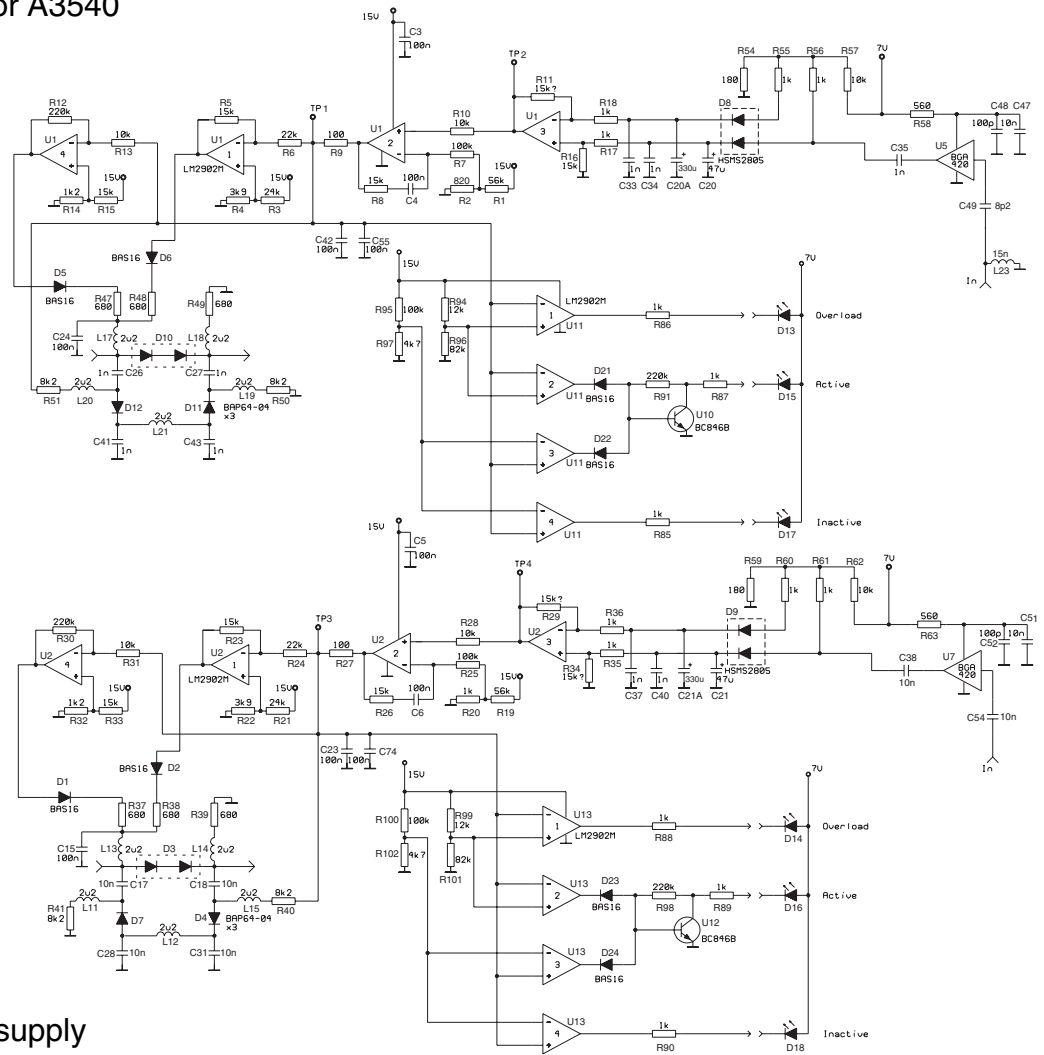
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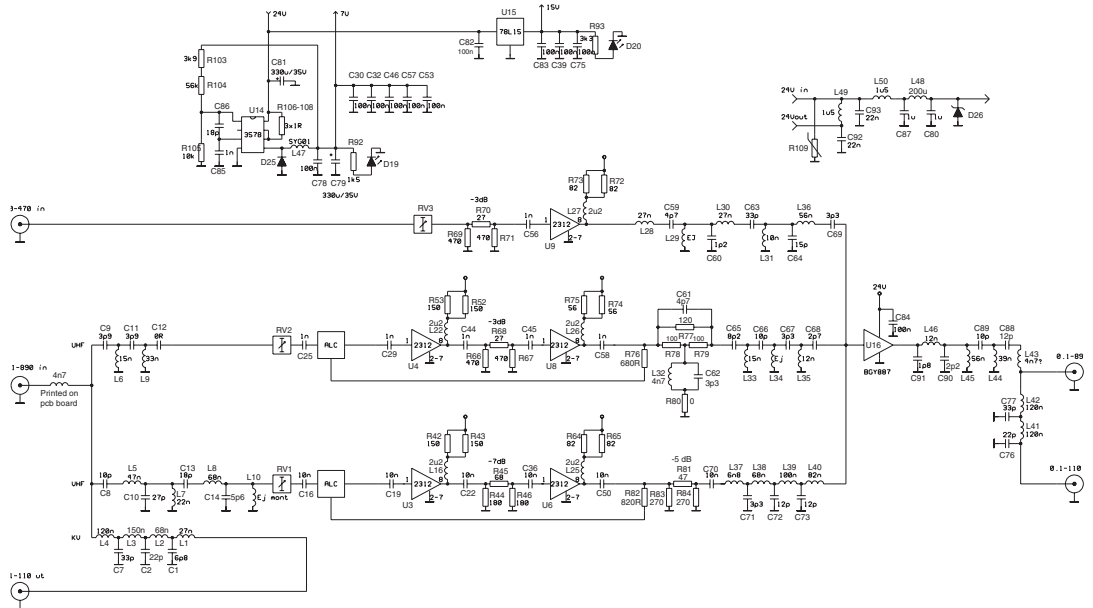
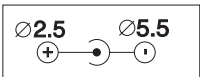
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Schematic diagram for A3540



Connector power supply



Description	Order No.	Weight: 0.55 kg
A3540	201.800	Standard package: 1