

A3766 AMPLIFIER RADIO

COBHAM

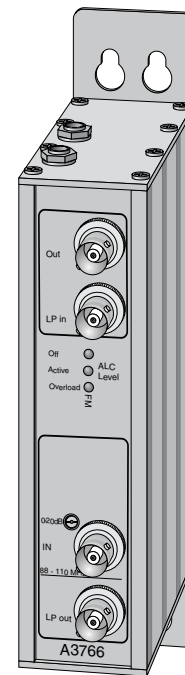
FM Cassette Amplifier Module

2014 Product Sheet

The most important thing we build is trust

The A3766 Cassette Amplifier Module covers FM (88-110 MHz).

It is intended for use with SAILOR CAS 3700 Headend Cassette Amplifier Systems and is well suited for distribution of digitally modulated signals. An Automatic Level Control circuit (ALC) helps maintain the output level stable under the varying conditions often encountered aboard ships.



TECHNICAL SPECIFICATIONS

Frequency range/Amplifier gain

| | |
|--------------------|----------|
| FM 88-110 MHz | 37 ±2 dB |
| Manual attenuation | 0-20 dB |

ALC

| | |
|-------------------|-----------------------|
| Max. output level | 121 ±2 dBμV (1 sign.) |
| Range | >45 dB |

3rd order intermodulation

| | |
|-------------------|-----------------------|
| FM (66 - 110 MHz) | <60 dBc (ALC limited) |
|-------------------|-----------------------|

Miscellaneous

| | |
|--------------|--------|
| Return loss | >18 dB |
| Noise figure | <5 dB |
| Impedance | 75Ω |

Electrical

| | |
|---------------------|-------------|
| Supply voltage | 24 VDC ±10% |
| Current consumption | 100 mA ±10% |

Connections

| | |
|---------------|--------------------------|
| DC-Connection | DC Jack Socket 2.5x5.5mm |
| RF-Connection | BNC Female |

General

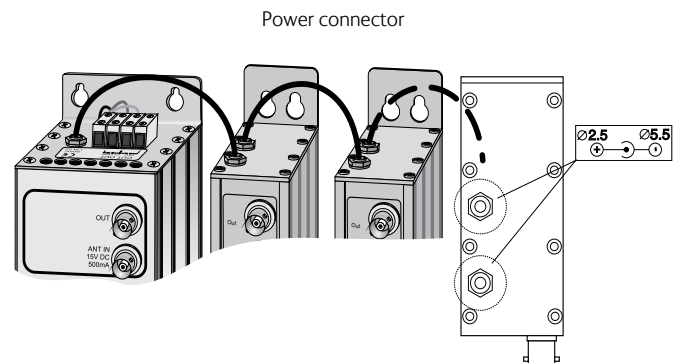
| | |
|--------------------------------------|--------------------------|
| EMC | EN 60945:2002, EN50083-2 |
| Operational temp. range | -25 to +55°C |
| Net Weight: | 0.47 kg |
| Dimensions (Length x Width x Height) | 96 x 41 x210 mm |

ORDERING INFORMATION

| P/N | Description |
|--------|---------------------------|
| 201836 | A3766 Amplifier Radio, FM |

PACKAGE DETAILS

| P/N | Type of Package | Net Weight (kg) | Gross Weight (kg) | Dimensions, Primary Pack (LxWxH cm/Vol. m ³) |
|--------|-----------------|-----------------|-------------------|--|
| 201836 | Carton | 0.47 | 0.52 | 12x4.5x23 cm/0.001242 m ³ |



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