

LS-AMP215 Speaker Amplifier

Robust 15 watt loudspeaker amplifier for mobile and stationary applications

Article Number

01 6606 00100000



Characteristics

- 15 Watt Class-D power amplifier
- Integrated limiter to protect the speakers
- Drives loads from 2 Ohm impedance
- Robust metal housing
- Easy installation
- Suitable for 12 V and 24 V
- E-Mark certified
- Integrated overtemperature protection
- Short-circuit proof

Scope of delivery

- Speaker amplifier with 6-pin flat plug connector

Application range

- BOS special vehicles (fire brigade, ambulance, police)

Specifications

Amplifier

Operating voltage	min. 9.5 V to 30 V DC (the function is given outside the specification from an operating voltage of >6 V DC and >3.6 W rms at 2 Ohm output power)
Supply voltage	12 V / 24 V vehicle electrical system (10.8 V - 28.8 V)
Quiescent current consumption	30 mA (at 10.5 V) / 35 mA (at 13.2 V) / 60 mA (at 26.4 V)
Shutdown GND (optional)	5 mA (at 10.5 V) / 7 mA (at 13.2 V) / 14 mA (at 26.4 V)
Mute GND (optional)	16 mA (at 10.5 V) / 17 mA (at 13.2 V) / 25 mA (at 26.4 V)
Output power at 2 Ohm/4 Ohm	14/8.5 W rms (at 10.5 V) / 15/9.5 W rms (at 13.2 V) / 15/9.5 W rms (at 26.4 V)
Continuous reinforcement	16 dB/18 dB
Output power Pmax	15 W rms into 2 ohms / 9.5 W rms into 4 ohms
Input level for Pmax	0.8 V rms / Pout approx. 15 watts
Integrated limiter	Vin max. 4.5 V rms / 13.5 Vpp
Limiter range	0.8 to 4.3 V rms
Frequency range	80 Hz - 20 kHz/-3 dB
Operating Temperature Range	-25 °C to +70 °C
Storage Temperature Range	-30 °C to +85 °C
Degree of effectiveness	> 80%
Degree of protection	IP30 (except flat connectors)