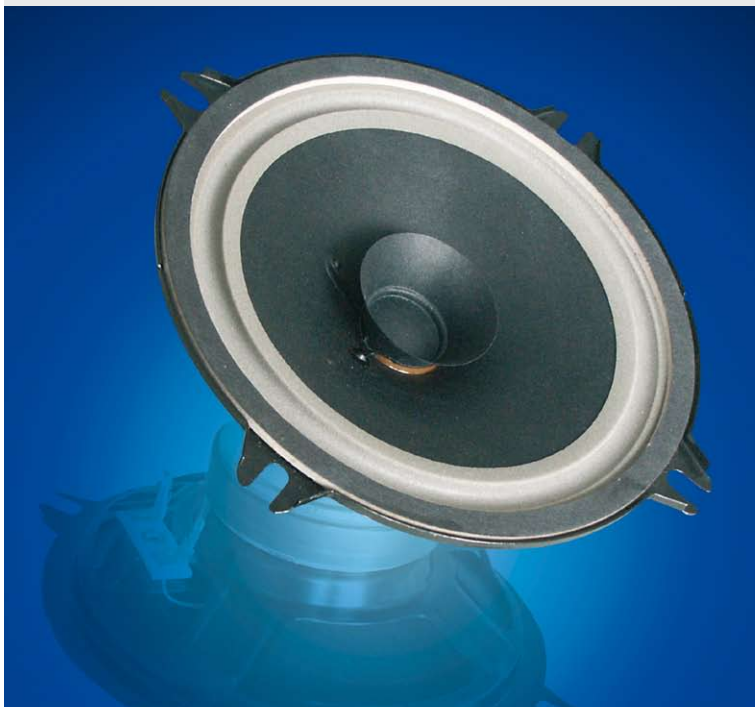


FR 13

Art. No. 4800 – 4 Ω

Art. No. 4801 – 8 Ω



13 cm (5") Breitbandlautsprecher

mit inverser Sicke. Gleichmäßiger Frequenzgang und kräftige Tieftonwiedergabe. Einfache Montage z.B. in Fahrzeugen mit Einbauorten für 13 cm Lautsprecher.

Zubehör: Schutzgitter (Art.-Nr. 4643, 4667).

13 cm (5") full-range loudspeaker

with an inverted surround. Uniform frequency response and powerful lowfrequency output. Simple installation e.g. in vehicles with loudspeaker mounts for 13 cm loudspeakers.

Accessories: Protective grille (Art.-No. 4643, 4667)



Art. No. 4667



Art. No. 4643

Anwendungsmöglichkeiten

- Einbaulautsprecher in Kraftfahrzeugen, Bussen oder Schienenfahrzeugen
- elektronische Musikinstrumente
- Kontrolllautsprecher in elektronischen Geräten

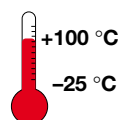
Typical applications

- Built into cars, busses or trains
- Electronic musical instruments
- Monitoring speaker for electronic devices

Eigenschaften

Attributes

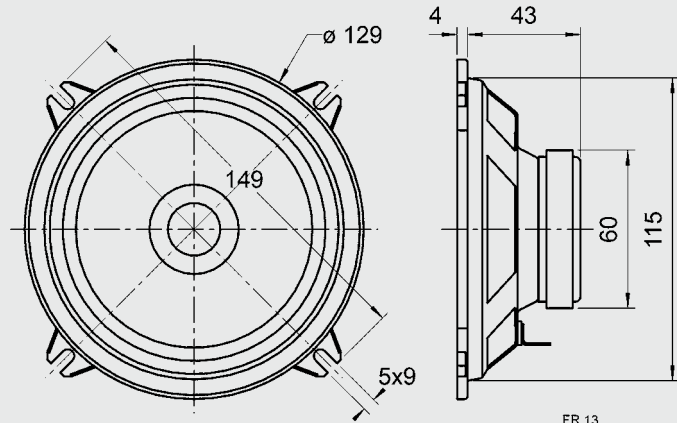
- | | |
|-------------------------------------|------------------|
| ✓ Feuchtigkeitsimprägnierte Membran | Moisturised cone |
| ✓ Metallausführung | Metal basket |



FR 13

Art. No. 4800 – 4 Ω

Art. No. 4801 – 8 Ω



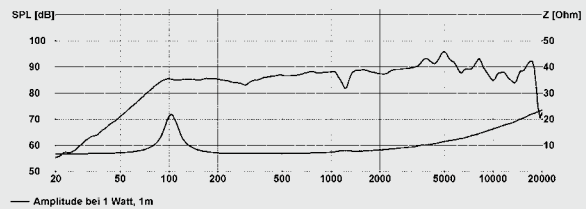
FR 13
18.06.04

Technische Daten

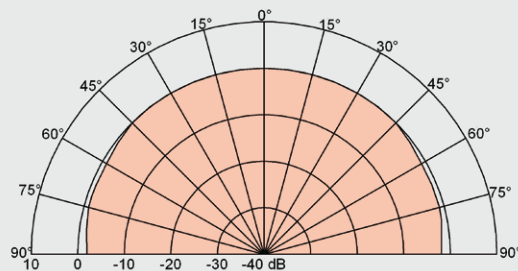
Nennbelastbarkeit	30 Watt
Musikbelastbarkeit	50 Watt
Impedanz	4 + 8 Ω
Übertragungsbereich (-10 dB)	65 – 20000 Hz
Mittlerer Schalldruckpegel	88 dB (1 W/1 m)
Resonanzfrequenz	100 Hz
Obere Polplattenhöhe	3 mm
Magnetischer Fluss	20 mm Ø
Schwingspulendurchmesser	20 mm Ø
Wickelhöhe	6 mm
Schallwandöffnung	116 mm Ø
Gewicht netto	0,31 kg

Technical Data

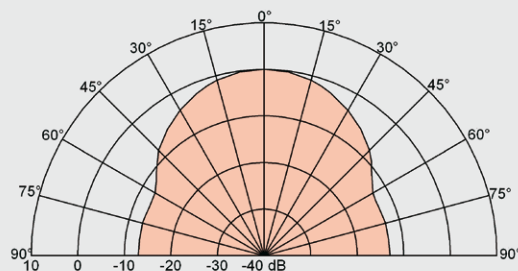
Rated power	30 Watt
Maximum power	50 Watt
Impedance	4 + 8 Ω
Frequency response (-10 dB)	65 – 20000 Hz
Mean sound pressure level	88 dB (1 W/1 m)
Resonant frequency	100 Hz
Height of front pole-plate	3 mm
Magnetic flux	20 mm Ø
Voice coil diameter	20 mm Ø
Height of winding	6 mm
Cutout diameter	116 mm Ø
Net weight	0,31 kg



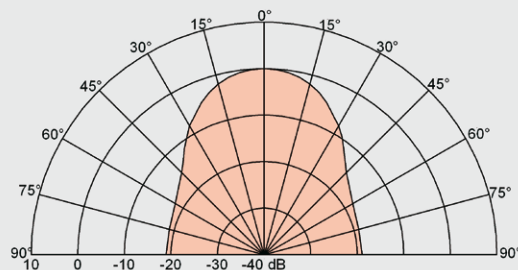
Amplituden- und Impedanzfrequenzgang
Frequency and impedance response



Abstrahlcharakteristik / Radiation pattern 2000 Hz



Abstrahlcharakteristik / Radiation pattern 4000 Hz



Abstrahlcharakteristik / Radiation pattern 8000 Hz