



TF-0818

Order No.: 10.0290

Price upon request

PRODUCTINFOS

CELESTION

One of the most appealing names in the world of speakers. The speakers of the TF series impress by both an excellent price-performance ratio and very good sound characteristics and thus are ideally suited for an application in efficient PA speaker systems providing a powerful sound.

Professional PA bass-midrange speaker, 100 W, 8 Ω

- PA bass-midrange speaker, excellent sound, power reserves in the bass range down to approx. 90 Hz
- High-quality Kevlar fibre-reinforced cellulose cone
- 44.5 mm heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- With ± 3.5 mm, a high X_{MAX} for this speaker class
- Double-roll surround for an excellent linearity
- Robust sheet steel basket
- Ideally suited for compact PA top parts with subwoofer support

HOBBY HiFi 05/2012

"The TF-0818 provides an excellent midrange reproduction with a high-quality sound and outstanding dynamics."

Klang+Ton 03/2011

"Ideal components for compact PA top parts ... also perfectly suitable for satellite speakers of an outstanding level stability in genuine home cinema systems."

TECHNICAL SPECIFICATIONS

TF-0818

Impedance (Z)	8 Ω
Frequency range	f3-6,000 Hz
Resonant frequency (fs)	94 Hz
Power rating	100 W
Peak music power output	200 W
Sensitivity	94 dB/W/m
Suspension compl. (Cms)	0.17 mm/N
Moving mass (Mms)	17.5 g
Mech. Q factor (Qms)	3.83
Electr. Q factor (Qes)	0.50
Total Q factor (Qts)	0.44
Equivalent volume (Vas)	12.5 l
DC resistance (Re)	6.4 Ω
Force factor (BxL)	11.36 Tm
Voice coil induct. (Le)	0.75 mH
Voice coil diameter	\varnothing 45 mm
Voice coil former	Kapton
Linear excursion (X_{MAX})	\pm 3.5 mm
Eff. cone area (Sd)	255 cm ²
Magnet weight	0.9 kg
Magnet diameter	\varnothing 136 mm
Mounting cutout	\varnothing 183 mm
Mounting depth	92.5 mm

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Mounting hole diameter	Ø 195-199 mm
Hole spacing X-axis	138-140.7 mm
Hole spacing Y-axis	138-140.7 mm
Dimensions	Ø 208 mm x 99 mm
Outside diameter	Ø 208 mm
Width	Ø 208 mm
Depth	99 mm
Admiss. ambient temp.	0-40 °C
Weight	2.28 kg
Sales unit	1
Type of speaker	8"