



TF-0615

Order No.: 10.5690

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

- 16 cm (6") PA bass-midrange speaker providing an excellent sound with power reserves in the bass range down to approx. 100 Hz
- High-quality Kevlar fibre-reinforced cellulose cone
- 38 mm heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- Linear excursion (X_{MAX}): ± 2.5 mm
- Double-roll surround for an excellent linearity
- Robust sheet steel basket
- Ideally suited for compact PA top parts with subwoofer support

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"Shows an impressive linearity, suitable for a wide range of applications."

TECHNICAL SPECIFICATIONS**TF-0615**

Impedance (Z)	8 Ω
Frequency range	f3-6,000 Hz
Resonant frequency (fs)	107 Hz
Power rating	100 W
Peak music power output	200 W
Sensitivity	95 dB/W/m
Suspension compl. (Cms)	0.19 mm/N
Moving mass (Mms)	11.3 g
Mech. Q factor (Qms)	5.83
Electr. Q factor (Qes)	0.68
Total Q factor (Qts)	0.61
Equivalent volume (Vas)	6.5 l
DC resistance (Re)	7.2 Ω
Force factor (BxL)	9.03 Tm
Voice coil induct. (Le)	0.5 mH
Voice coil diameter	\varnothing 38 mm
Voice coil former	Kapton
Linear excursion (X_{MAX})	\pm 2.5 mm
Eff. cone area (Sd)	145 cm ²
Magnet weight	0.8 kg
Magnet diameter	\varnothing 115 mm
Mounting cutout	\varnothing 147 mm
Mounting depth	65.5 mm
Mounting hole diameter	\varnothing 168.5 mm
Hole spacing X-axis	119 mm
Hole spacing Y-axis	119 mm
Dimensions	\varnothing 178 mm x 74 mm
Outside diameter	\varnothing 178 mm
Width	\varnothing 178 mm
Depth	71.5 mm

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Admiss. ambient temp.	0-40 °C
Weight	1.71 kg
Sales unit	1
Type of speaker	6"