

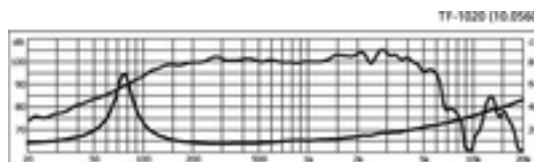
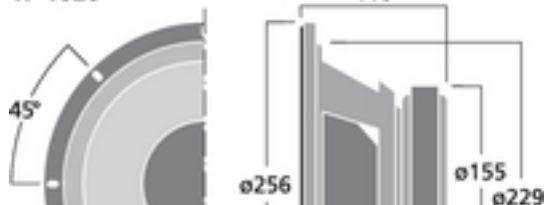
## TF-1020 - PA Midrange Speaker



CELESTION



TF-1020



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.

PA bass-midrange speaker, 150 W, 8 Ohm

- 25 cm (10") PA midrange speaker providing an excellent sound, with power reserves in the bass range down to approx. 90 Hz
- High-quality Kevlar fibre-reinforced cellulose cone
- 50 mm (2") heat-resistant voice coil on a Kapton voice coil former
- Excellent linear frequency response and wide bandwidth
- High-quality reproductions of speech and vocals
- Double-roll surround for an excellent linearity
- Robust sheet steel basket
- Ideally suited for compact PA top parts with subwoofer support

## Technical data:

Impedance (Z)	: 8 Ohm
Transmission technology	: -
Frequency range	: f3-3,500 Hz
Resonant frequency (fs)	: 61 Hz
Rec. crossov. frequ. (fmax.) (12 dB/oct.)	: -
Power rating (RMS)	: 150 W
Peak music power output (MAX)	: 300 W
SPL	: 97 dB/W/m
Max. rated SPL	: -
Max. voltage	: -
Radiation angle	: -
Radiation angle, horizontal	: -
Radiation angle, vertical	: -
Suspension compl. (Cms)	: 0.221 mm/N
Moving mass (Mms)	: 31 g
Mech. Q factor (Qms)	: 2.85
Electr. Q factor (Qes)	: 0.36
Total Q factor (Qts)	: 0.32
Equivalent volume (Vas)	: 37.5 l
DC resistance (Re)	: 5.8 Ohm
Force factor (BxL)	: 13.79 Tm
Voice coil induct. (Le)	: 0.59 mH
Voice coil diameter	: $\tilde{A}$ 50 mm
Voice coil former	: Kapton
Linear excursion (X <sub>MAX</sub> )	: $\pm$ 2 mm
Eff. cone area (Sd)	: 363 cm <sup>2</sup>
Magnet weight	: 1.2 kg
Magnet diameter	: $\tilde{A}$ 155 mm
Mounting cutout	: $\tilde{A}$ 229 mm
Mounting depth	: 102.5 mm
Mounting hole diameter	: $\tilde{A}$ 245 mm
Hole spacing X-axis	: -
Hole spacing Y-axis	: -
Dimensions	: $\tilde{A}$ 256 mm x 110 mm
Outside diameter	: $\tilde{A}$ 256 mm

Width	: Å~ 256 mm
Height	: -
Depth	: 110 mm
Colour	: black
Protective class	: -
Admiss. ambient temp.	: 0-40 °C
Weight	: 3.7 kg
Packing unit	: 1
Type of speaker	: 10"
Packing dimensions (W x H x L)	: 0.29 x 0.13 x 0.28 m
Gross weight	: 4.08 kg
Net weight	: 3.7 kg
Low-impedance	: 1