



# TF1020

Ferrite magnet steel chassis driver

## General Specifications

Nominal diameter	254mm/10in
Power rating <sup>1</sup>	150Wrms
Nominal impedance	8Ω
Sensitivity <sup>2</sup>	97dB
Frequency range	60-3000Hz
Voice coil diameter	50mm/2in
Chassis type	Pressed steel
Magnet type	Ferrite
Magnet weight	1.2kg/42oz
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax <sup>3</sup>	2mm/0.08in
Gap depth	8mm/0.31in
Voice coil winding width	12mm/0.47in

## Small Signal Parameters

D	0.21m/8.27in
Fs	60.9Hz
Mms	30.92g/1.09oz
Mmd	27.27g/0.96oz
Qms	2.853
Qes	0.361
Qts	0.32
Re	5.79Ω
Vas	37.45lt/1.32ft <sup>3</sup>
Bl	13.79Tm
Cms	0.221mm/N
Rms	4.15kg/s
Le (at 1kHz)	0.59mH

## Mounting Information

Overall diameter	256mm/10.08in
Overall depth	110mm/4.33in
Cut-out diameter	229mm/9.02in
Mounting slot dimensions	8mm x 6mm/0.31in x 0.24in
Number of mounting slots	4
Mounting PCD range	245mm/9.65in
Unit weight	3.7kg/8.2lb

## Packed Dimensions & Weight

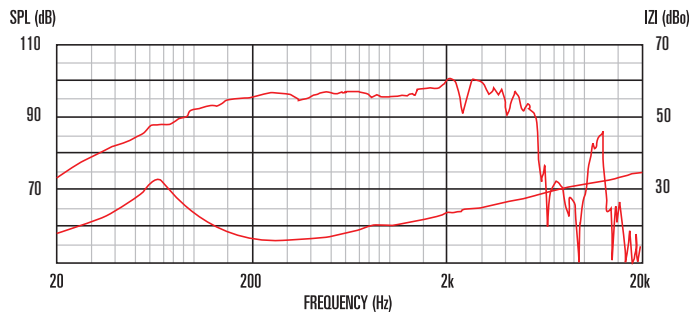
Single pack size W x D x H	280mm x 280mm x 120mm
	/11.0in x 11.0in x 4.7in
Single pack weight	4kg/8.8lb
Multi pack (96) size W x D x H	1080mm x 880mm x 840mm
	/42.5in x 34.6in x 33.1in
Multi pack (96) weight	390kg/860lb



## Features

- 10" bass and mid-range driver provides 97dB sensitivity and 150Wrms (AES standard) power handling
- 2" High temperature copper voice coil wound on polyimide for increased reliability
- Ideally suited to compact enclosures and high pass systems
- Rigid chasis design for maximum energy transfer
- Kevlar-loaded cone with sealed surround and damping for reduced distortion

## Frequency Response and Impedance Curves



Measured - 1W @ 1m, 2π

1. Tested for two hours using a continuous, band-limited pink noise signal as per AES standard. Power calculated on minimum impedance. Loudspeaker tested in free air.  
 2. Measured on axis at 1W, 1m in 2π; anechoic environment.  
 3. Xmax derived from: (voice coil winding width-gap depth)/2.