

TG 3 1/2" Full Range



Type Number: TG9FD-10-04

Features:

The TG series offers a high performance full range and mid-bass solution for TV solutions and other compact applications. Extensive development work by Vifa's audio engineering team, and the use of leading-edge technologies like polymer-chassis, NRSC Glass Fibre Cone and CU-cap on pole piece, have made this full range driver appear on many industry insider lists as the best sounding solution in this market.

Driver Highlights: 3 1/2" full range driver



Specs:

Electrical Data

Nominal impedance	Zn	4	ohm
Minimum impedance	Zmin	--	ohm
Maximum impedance	Zo	19	ohm
DC resistance	Re	3.2	ohm
Voice coil inductance	Le	0.12	mH
Capacitor in series with x ohm	Cc	--	uF

T-S Parameters

Resonance Frequency	fs	82	Hz
Mechanical Q factor	Qms	2.9	
Electrical Q factor	Qes	0.7	
Total Q factor	Qts	0.56	
Ratio fs/Qts	F	--	
Force factor	Bl	2.4	Tm
Mechanical resistance	Rms	--	Kg/s
Moving mass	Mms	2.45	g
Suspension compliance	Cms	--	mm/N
Effective cone diameter	D	--	cm
Effective piston area	Sd	38	cm ²
Equivalent volume	Vas	3.15	ltrs
Sensitivity		85.5	dB
Ratio BL/√(Re)		--	

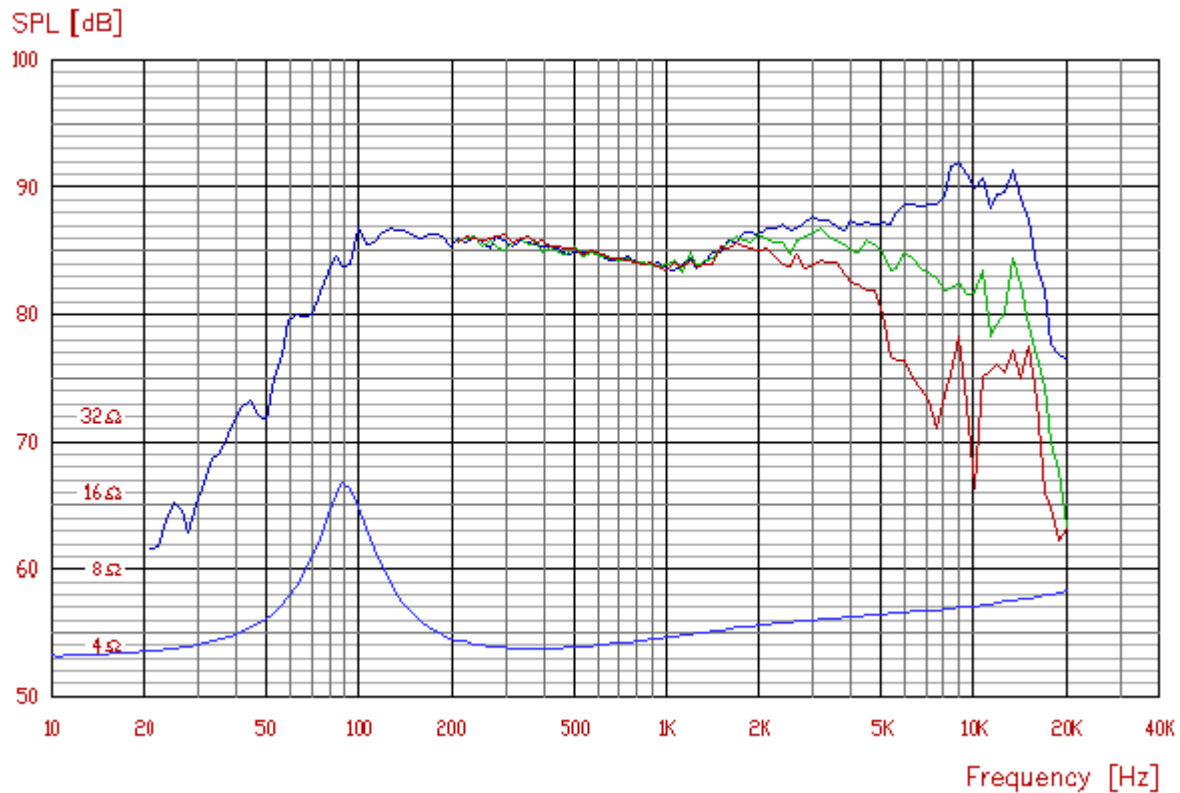
Power handling

100h RMS noise test (IEC)	--	W
Long-term Max System Power (IEC)	--	W
Max linear SPL (rms) @ power	--	dB/W
Short Term Max power	--	W

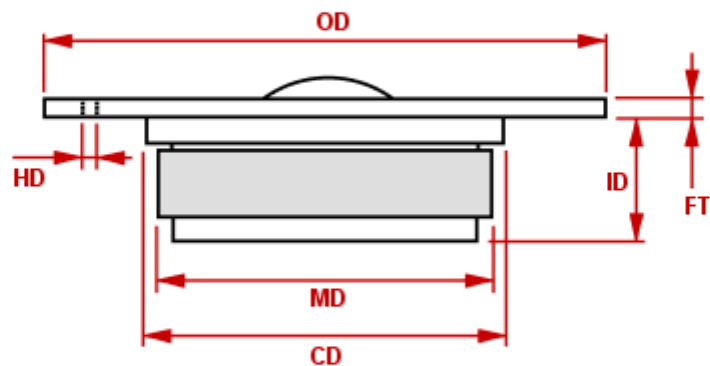
Voice Coil and Magnet Parameters

Voice coil diameter	20	mm
Voice coil height	9.2	mm
Voice coil layers	--	
Height of the gap	4	mm
Linear excursion +/-	--	mm
Max mech. excursion +/-	--	mm
Flux density of gap	--	mWb
Total useful flux	--	mWb
Diameter of magnet	--	mm
Height of magnet	--	mm
Weight of magnet	0.105	Kg

Frequency:



Mechanical Dimensions:



Drawing Dimensions

Outside Diameter	OD	98	mm
Flange Thickness	FT	3.2	mm
Magnet Diameter	MD	68	mm
Cutout Diameter	CD	78.5	mm
Interior Depth	ID	38	mm
Hole Diameter	HD	4.2	mm
Screw Circle Diameter	SD	--	mm