

TG/TC 3½" Full Range



Type Number: TC9FD-18-08

Features:

The TG/TC series offers a high performance full range and mid-bass solution for TV products and other compact applications. Extensive development work by the Peerless audio engineering team, and the use of leading-edge technologies like polymer-chassis, NRSC (Tymphany patent) Glass Fibre or Paper 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.



Specs:

Electrical Data

Nominal impedance	Zn	8	ohm
Minimum impedance	Zmin	6.89	ohm
Maximum impedance	Zo	16.87	ohm
DC resistance	Re	6.2	ohm
Voice coil inductance	Le	0.041	mH

T-S Parameters

Resonance Frequency	fs	110.7	Hz
Mechanical Q factor	Qms	2.11	
Electrical Q factor	Qes	1.095	
Total Q factor	Qts	0.72	
Force factor	Bl	2.75	Tm
Moving mass	Mms	1.92	g
Suspension compliance	Cms	1.075	mm/N
Effective cone diameter	D	6.8	cm
Effective piston area	Sd	36.32	cm ²
Equivalent volume	Vas	2.01	ltrs
Sensitivity (2.83V/1m)		85.8	dB
Sensitivity (1W/1m)		85.8	dB
Ratio fs/Qts	F	153.75	

Power handling

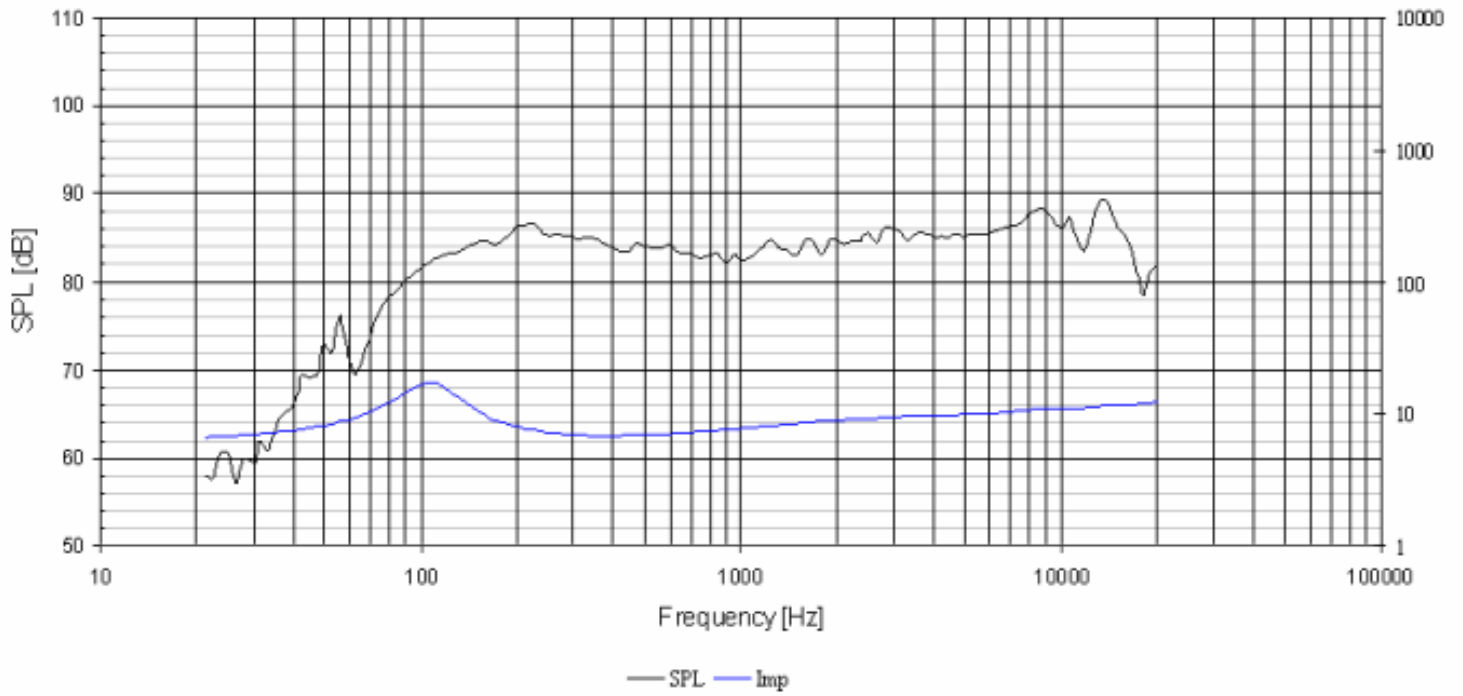
Rated Noise Power (IEC 18.1)	50	W
Long-term Max Power (IEC 18.3)	100	W

Misc. Parameters

Effective Frequency range (IEC 21.2)	73-	Hz
	20k	
Frame dimensions	84x84	mm
Total Mass	301	grams
Frequency at ka=2	3230	Hz

Notes:
IEC specs refer to IEC 60268-5 third edition.
All Tymphany products are RoHS compliant.

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Mechanical Dimensions: TC9FD-18-08

