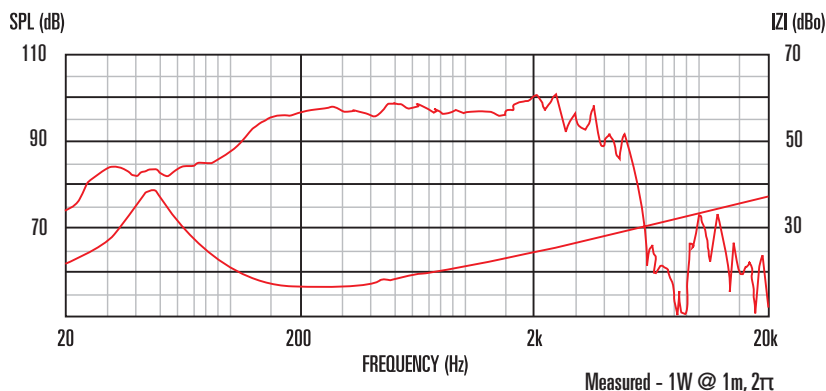


# TN1230



- **12" mid/bass driver with 3.0" voice coil, providing 300Wrms (AES) continuous power handling**
- **FEA optimised neodymium magnet assembly design for lower weight and reduced harmonic distortion**
- **"M-Roll" surround provides progressive excursion control yielding a smooth response curve at extremes of frequency range**
- **Kevlar-impregnated cone with sealed surround and damping contributes to lower distortion**
- **Rigid chassis design for maximum energy transfer, and vented magnet assembly for efficient cooling**

## Frequency Response and Impedance Curves



## General Specifications

Nominal diameter (mm/in)	305/12
Power Rating (AES, W rms)	300
Nominal impedance ( $\Omega$ )	8
Voice coil diameter (mm/in)	76.2/3.0
Magnet type	Neodymium
Chassis type	Pressed steel
Sensitivity (dB)	97
Frequency range (Hz)	50-4000
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax (mm/in)	3.75/0.148
Gap depth (mm/in)	10.0/0.39
Voice coil winding width (mm/in)	17.5/0.69

## Small Signal Parameters

D (m/in)	0.26/10.24
Fs (Hz)	49.0
Mmd (g/oz)	53.04/1.86
Mair (g/oz)	6.92/0.24
Qms	5.46
Qes	0.28
Qts	0.27
Re ( $\Omega$ )	5.13
Vas (lt/ft <sup>3</sup> )	70.27/2.76
Bl (Tm)	18.3
Cms (mm/N)	0.18
Rms (kg/s)	3.38
Le (mH)	0.94

## Mounting Information

Overall Diameter (mm/in)	309/12.17
Overall depth (mm/in)	132/5.20
Cut out diameter (mm/in)	283/11.14
Mounting slot dimensions (mm/in)	7.9/0.31
Number of mounting slots	4
Mounting slot PCD (mm/in)	297/11.69
Unit weight (kg/lb)	2.0/4.4

## Packed Dimensions & Weight

Single pack size W x D x H (mm/in)	330 x 330 x 150
	/13.0 x 13.0 x 5.9
Single pack weight (kg/lb)	2.4/5.3
Multipack (60) size W x D x H (mm/in)	1008 x 980 x 860
	/39.7 x 38.6 x 33.9
Multipack (60) weight (kg/lb)	146/322