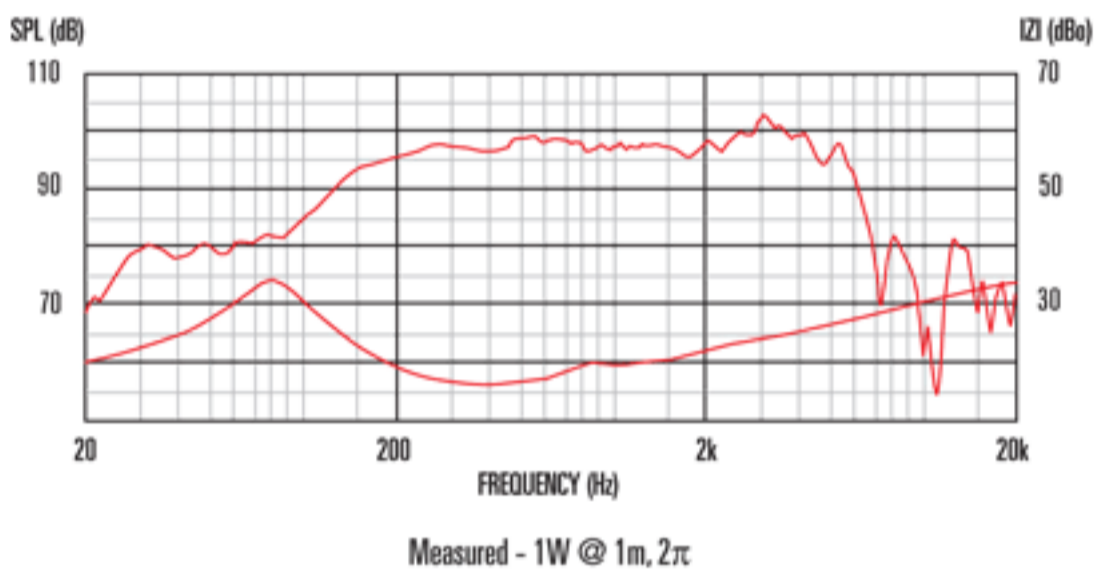


TN1020



- Compact, high flux, Dual Magnet Motor design
- Vented cast aluminium heatsink

8 Frequency Response



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. Continuous Power Rating is defined as 3dB greater than the AES rating
3. Measured on axis at 1W, 1m in 2 $\bar{1}$ anechoic environment.
4. Xmax derived from: (voice coil winding width-gap depth)/2.
5. Small signal parameters measured after unit subjected to pre-conditioning signal.

General Specifications

Nominal diameter	254mm/10in
Power rating ¹	150Wrms
Continuous power rating ²	300W
Sensitivity ²	98dB
EIA power rating ³	250W
Nominal impedance	8
Frequency range	65-4,000Hz
Voice coil diameter	50mm/2in
Chassis type	Pressed steel
Magnet type	Neodymium
Coil material	Round copper
Former material	Polyimide
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Xmax ³	2mm/0.079in
Gap depth	8mm/0.32in
Voice coil winding width	12mm/0.47in

Small Signal Parameters ⁴

D	0.21m/8.27in
Fs	95Hz
Mms	29.88g/1.05oz
Qms	3.164
Qes	0.451
Mmd	23.18g/0.82oz
Qts	0.395
Re	5.63
Vas	16.01lt/0.57ft ³
Bl	14.93Tm
Cms	0.09mm/N
Rms	5.63kg/s
Le (at 1kHz)	0.6mH

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	8
Mounting PCD range	245mm/9.65in
Unit weight	1.5kg/3.4lb

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	1.7kg/3.7lb
Multi pack size W x D x H	1008mmx880mmx820mm /39.7in x 34.6in x 32.3in
Multi pack weight	200kg/440lb