CELESTION

Legacy Loudspeakers

NTR10-2520E (Legacy)

10-inch cast aluminium chassis, neodymium magnet mid/ bass driver

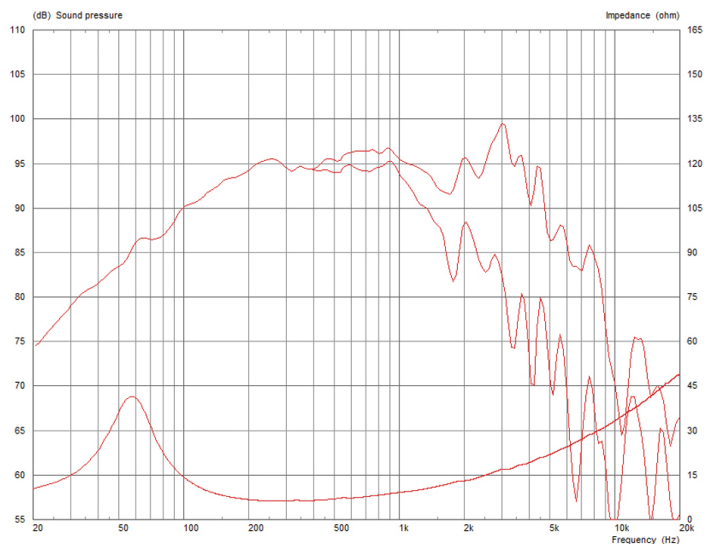- Vented cast aluminium heatsink
- Compact high flux Dual Magnet Motor design

General Specifications

Nominal Diameter	254mm / 10in
Power Rating	250W
Continuous power rating	500W
Rated impedance	8 Ω
Sensitivity	96dB
Frequency range	50-3000Hz
Chassis type	Cast aluminium
Magnet type	Neodymium
Voice coil diameter	64mm / 2.5in
Voice coil material	Round copper
Former material	Glass fibre
Cone material	Kevlar loaded paper
Surround material	Cloth-sealed
Suspension	Single
Gap height (Hg)	8mm / 0.32in
VC winding height (Hvc)	17.5mm / 0.69in

Mounting Information

Overall diameter	260mm / 10.24in
Overall depth	113mm / 4.45in
Cut-out diameter	235mm / 9.25in
Mounting hole dimensions	7.5x6.5mm / 0.3x0.26 in
Number of mounting holes	4
Mounting hole PCD	244-247mm / 9.6-9.7in
Unit weight	2.2kg / 4.9lb

Frequency Response and Impedance Curves

Topmost curve: Frequency response on axis |
Secondary curve: Frequency response at 45° off
axis

Power rating: 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.

Continuous power rating: Defined as 3dB greater than
the AES rating.

Sensitivity: Measured on axis at 1W, 1m in 2?
anechoic environment.

Parameters: Measured after unit subjected to
pre-conditioning signal.

Hvc-Hg/2

Parameters

Sd	346.36cm2 / 53.69in^2
Fs	55.80Hz
Mms	46.00g / 1.62oz
Qms	3.244
Qes	0.345
Qts	0.312
Re	5.44 Ω
Vas	30.07l / 1.06ft ^{3}
Bl	15.93Tm
Cms	0.18mm/N
Rms	4.97kg/s
Le (at 1kHz)	0.68mH
Xmax	5mm / 0.2in

Packed Dimensions & Weight

Single pack size W x D x H	305mm x 305mm x 150mm / 12.0in x 12.0in x 5.9in
Single pack weight	2.5kg / 5.5lb
Multi pack qty	96
Multi pack size W x D x H	1080mm x 880mm x 840mm / 42.5in x 34.6in x 33.1in
Multi pack weight	235kg / 518lb

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