

Illuminator 1" Tweeter



Type Number: D3004/602000

Features:

The Illuminator tweeters continue on with the heritage of the renowned Revelator D29. The large-roll surround and textile dome diaphragm provide a flat frequency response to above 30KHz with outstanding off-axis dispersion.

The face plates are die cast in aluminum for a beautiful look with maximum mechanical stability.

D3004/602000 is optimized to offer small package sizes that can fit into tight spaces such as compact cabinets and automotive trim pieces.

The back chamber is die cast in aluminium and designed with a contoured shape that functions as a heat sink in high power applications.

Driver Highlights: 1" soft dome, compact size, ring neodymium magnet, aluminium faceplate and house, protective grill.



Specs:

Electrical Data

| | | | |
|-----------------------|------|------|-----|
| Nominal impedance | Zn | 4 | ohm |
| Minimum impedance | Zmin | 3.5 | ohm |
| Maximum impedance | Zo | 10.8 | ohm |
| DC resistance | Re | 3 | ohm |
| Voice coil inductance | Le | 0.02 | mH |

T-S Parameters

| | | | |
|-------------------------|-----|------|-----------------|
| Resonance Frequency | fs | 700 | Hz |
| Mechanical Q factor | Qms | 4.15 | |
| Electrical Q factor | Qes | 1.6 | |
| Total Q factor | Qts | 1.15 | |
| Force factor | Bl | 1.7 | Tm |
| Mechanical resistance | Rms | 0.4 | Kg/s |
| Moving mass | Mms | 0.35 | g |
| Suspension compliance | Cms | 0.15 | mm/N |
| Effective cone diameter | D | -- | cm |
| Effective piston area | Sd | 7 | cm ² |
| Equivalent volume | Vas | -- | ltrs |
| Sensitivity (2.83V/1m) | | 89.2 | dB |

Power handling

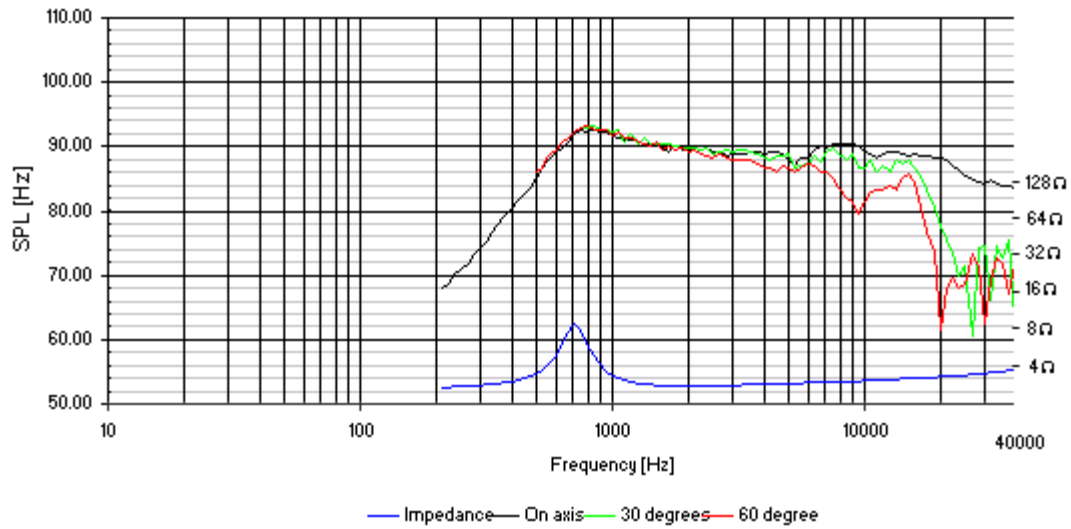
| | | |
|---------------------------------|-----|---|
| 100h RMS noise test (IEC) | 50 | W |
| Long-term Max Power (IEC 18.3) | 130 | W |
| Short Term Max power (IEC 18.2) | -- | W |

Voice Coil and Magnet Parameters

| | | |
|-------------------------|-----|-----|
| Voice coil diameter | 26 | mm |
| Voice coil height | 2.1 | mm |
| Voice coil layers | 2 | |
| Height of the gap | 2.5 | mm |
| Linear excursion +/- | 0.2 | mm |
| Max mech. excursion +/- | 1.6 | mm |
| Flux density of gap | -- | mWb |
| Total useful flux | -- | mWb |
| Diameter of magnet | 42 | mm |
| Height of magnet | 4 | mm |
| Weight of magnet | -- | Kg |

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

Frequency: D3004/602000



Mechanical Dimensions: D3004/602000

