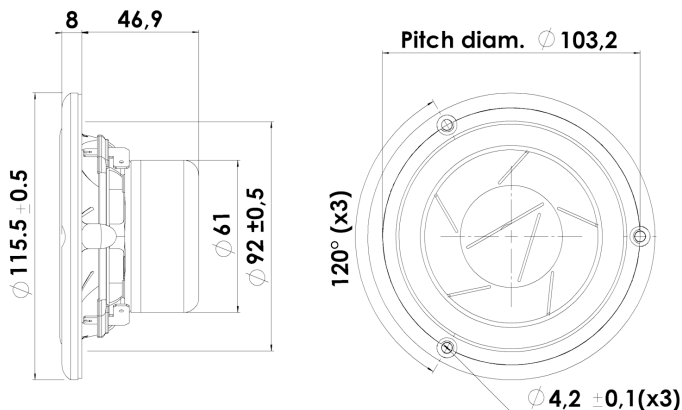


12 cm Midrange

12M/4631G00



T-S Parameters:

| | |
|-------------------------------|--------------------|
| Resonance frequency [fs] | 75 Hz |
| Mechanical Q factor [Qms] | 5.57 |
| Electrical Q factor [Qes] | 0.35 |
| Total Q factor [Qts] | 0.33 |
| Force factor [Bl] | 5.3 Tm |
| Mechanical resistance [Rms] | 0.55 kg/s |
| Moving mass [Mms] | 6.5 g |
| Compliance [Cms] | 0.69 mm/N |
| Effective diaph. diameter [D] | 79 mm |
| Effective piston area [Sd] | 49 cm ² |
| Equivalent volume [Vas] | 2.3 l |
| Sensitivity (2,83V/1m) | 89 dB |

Mechanical Data:

| | |
|-----------------------------|--------|
| Voice coil diameter | 38 mm |
| Voice coil height | 10 mm |
| Voice coil layers | 2 |
| Gap height | 4 mm |
| Linear excursion | ± 3 mm |
| Max mech. excursion | ± 7 mm |
| Unit weight | 0.6 kg |
| Cabinet Displacement Volume | - l |

Electrical Data:

| | |
|----------------------------|---------|
| Nominal impedance [Zn] | 4 Ω |
| Minimum impedance [Zmin] | 3.8 Ω |
| Maximum impedance [Zo] | 54.1 Ω |
| DC resistance [Re] | 3.2 Ω |
| Voice coil inductance [Le] | 0.22 mH |

Power Handling:

| | |
|---|------|
| 100h RMS noise test (IEC 18.4) | 40 W |
| Long-term max power (IEC 18.2) | 70 W |
| X-over: 2. order HP Butterworth, 200 Hz | |

Key Features:

- Excellent Midrange reproduction
- Sliced Cone (Controls Cone Breakups)
- Low-Loss Linear Suspension
- High Output 89dB @ 2,83V
- Compact Neodymium Magnet System

Recommendations (please see Tech Note):

- Operating frequency range: 85-10000 Hz
- Cabinet volume - closed box: Vbox=0.8 ltr, f(-3dB)=147 Hz
- Cabinet volume - vented box: Vbox=1.6 ltr, fb=84 Hz, f(-3dB)=88 Hz

