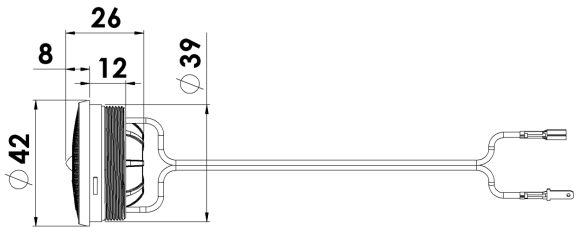
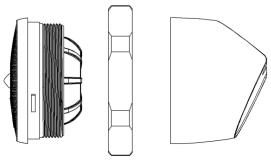
SCANSPEAK

Discovery

19 mm Dome Tweeter

R1904/613001



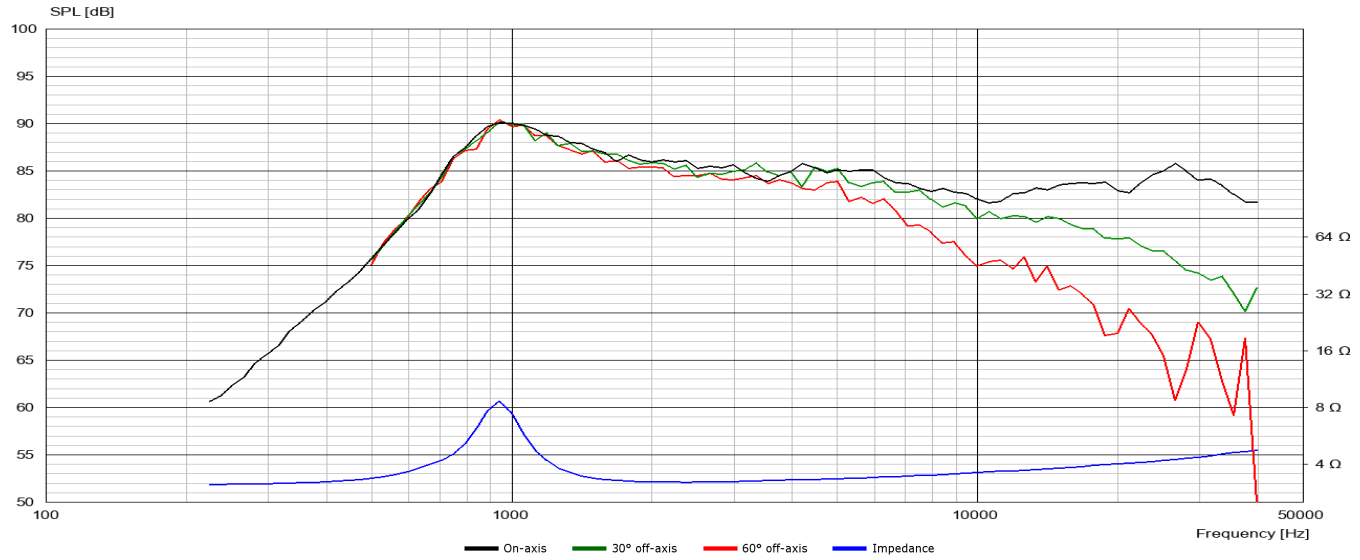


Key Features:
3/4" Ring Dome tweeter
Optimized for Car use
Compact mounting dimentions
Wedge House for dashboard mounting
Flange and Nut for doorpanel mounting

Recommendations (please see Tech Note):	
Operating frequency range:	3500-20000 Hz
Cabinet volume - closed box:	N.a.
Cabinet volume - vented box:	N.a.

T-S Parameters:	
Resonance frequency [fs]	1000 Hz
Mechanical Q factor [Qms]	8.03
Electrical Q factor [Qes]	2.02
Total Q factor [Qts]	1.61
Force factor [Bl]	1.4 Tm
Mechanical resistance [Rms]	0.18 kg/s
Moving mass [Mms]	0.23 g
Compliance [Cms]	0.11 mm/N
Effective diaph. diameter [D]	22 mm
Effective piston area [Sd]	3.8 cm²
Equivalent volume [Vas]	0.002 l
Sensitivity (2,83V/1m)	87 dB

Mechanical Data:	
Voice coil diameter	19 mm
Voice coil height	1.8 mm
Voice coil layers	2
Gap height	2 mm
Linear excursion	± 0.1 mm
Max mech. excursion	± 1.6 mm
Unit weight	0.05 kg
Cabinet Displacement Volume	0.01 l

Electrical Data:	
Nominal impedance [Zn]	4 Ω
Minimum impedance [Zmin]	3.3 Ω
Maximum impedance [Zo]	13.4 Ω
DC resistance [Re]	2.7 Ω
Voice coil inductance [Le]	0.02 mH

Power Handling:	
100h RMS noise test (IEC 18.4)	40 W
Long-term max power (IEC 18.2)	- W
X-over: 2. order HP Butterworth, 3 kHz