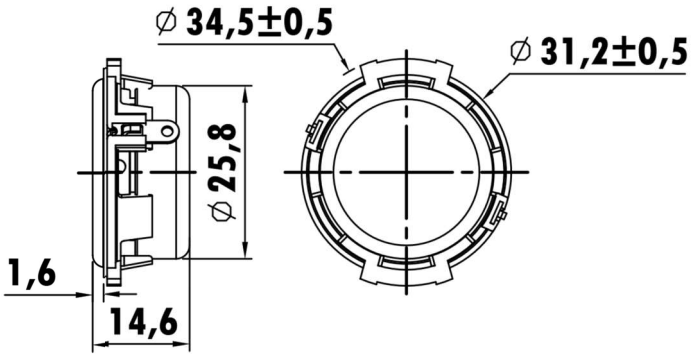
EASTECH

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Datasheet updated: 18-03-2025

Standard Transducers
Fullrange / 03A19EHC25050

1.2″, Plastic Frame
0.8″ PEPSCAW Voice Coil
Aluminum Diaphragm, Rubber Surround
Neodymium Magnet Motor System





T-S Parameters

Resonance frequency [fs]	385.1 Hz
Mechanical Q factor [Qms]	1.55
Electrical Q factor [Qes]	1.39
Total Q factor [Qts]	0.735
Force factor [Bl]	2.17 Tm
Mechanical resistance [Rms]	0.65 kg/s
Moving mass [Mms]	0.42 g
Compliance [Cms]	0.40 mm/N
Effective diaph. diameter [D]	24.4 mm
Effective piston area [Sd]	4.68 cm²
Equivalent volume [Vas]	0.047 l
Sensitivity (2.83V/1m)	77 dB
Ratio Bl/√Re	0.85 N/√W
Ratio fs/Qts	523.94 Hz

Electrical Data

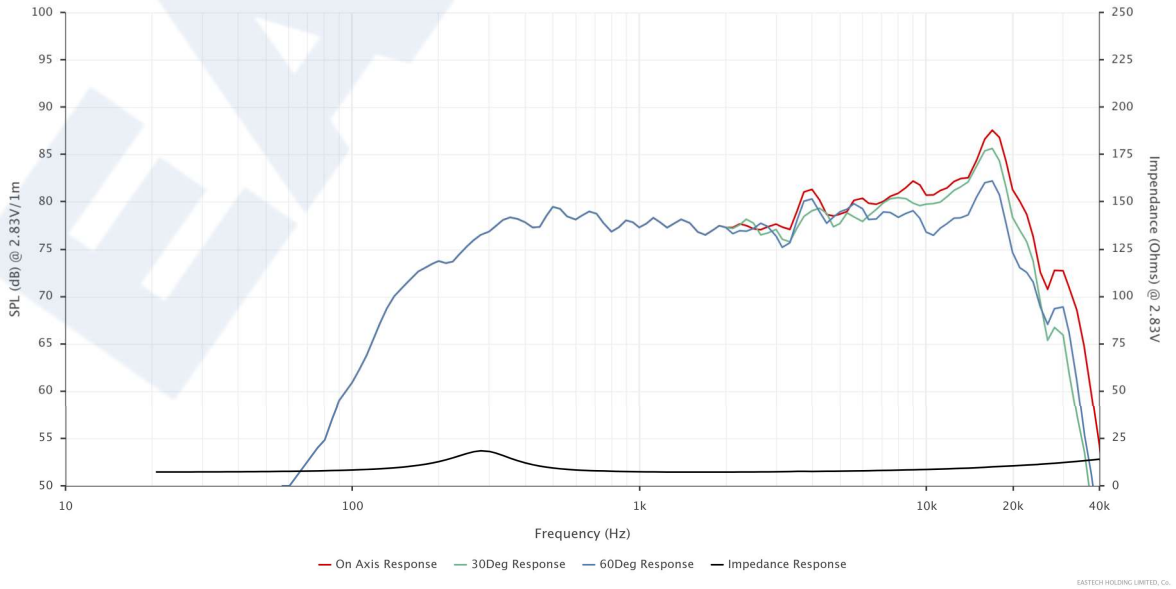
Nominal impedance [Zn]	8 Ω
Minimum impedance [Zmin]	7.2 Ω
Maximum impedance [Zo]	17.2 Ω
DC resistance [Re]	6.49 Ω
Voice coil inductance [Le]	0.054 mH

Power Handling

100h RMS noise test (IEC 18.4)	3 W
Long-term max power (IEC 18.2)	5 W

Voice Coil & Magnet Data

Voice coil diameter	19.37 mm
Voice coil height	3.6 mm
Voice coil layers	2
Height of gap	1.5 mm
Linear excursion	± 1.05 mm
Max mech. excursion	± - mm
Unit weight	0.03 kg



EASTECH HOLDING LIMITED, Co.