

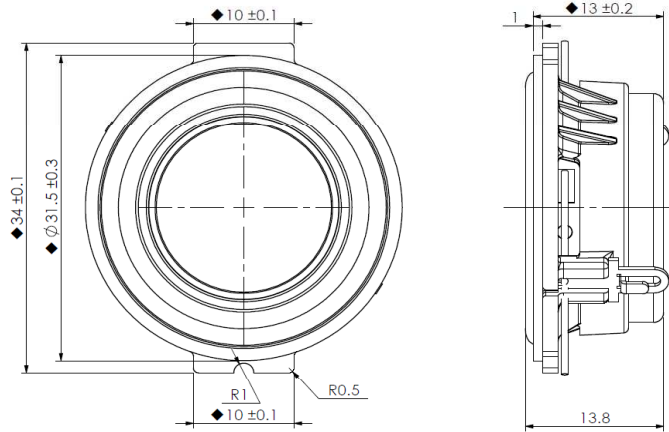


Product Description:

This 18 mm 4 Ω compact Premium Micro Transducer is designed for computer, television array, and similar applications. It features a neodymium-iron-boron magnet, a light aluminium cone, and a high-temperature polycarbonate frame. The PMT family's transducers feature low resonant frequencies and a full range bandwidth.



Mechanical 2D Drawing:



Specifications:

DC Resistance	R_{evc}	Ω	3.5	±7.5%	Energy Bandwidth Product	EBP	$(1/Q_{es}) \cdot f_s$	251
Minimum Impedance	Z_{min}	Ω	3.8	±7.5%	Moving Mass	M_{ms}	g	0.51
Voice Coil Inductance	L_e	mH	0.03		Suspension Compliance	C_{ms}	um/N	660.8
Resonant Frequency	f_s	Hz	275	±15%	Effective Cone Diameter	D	cm	2.5
Mechanical Q Factor	Q_{ms}	-	2.8		Effective Piston Area	S_D	cm ²	4.9
Electrical Q Factor	Q_{es}	-	1.10		Equivalent Volume	V_{as}	L	0.022
Total Q Factor	Q_{ts}	-	0.78		Motor Force Factor	BL	T-m	1.67
Ratio f_s / Q_{es}	F	f_s / Q_{es}	351		Motor Efficiency Factor	β	$(T \cdot m^2) / \Omega$	0.80
Half Space Sensitivity @ 2.83V	$dB @ 2.83V/1m$	dB	83.1	±1.0 ¹	Voice Coil Former Material	VC_{fm}	-	KSV
Sensitivity @ 1W/1m	$1W/1m$	dB	79.5	±1.0 ¹	Voice Coil Inner Diameter	VC_{di}	mm	18.00
					Gap Height	Gh	mm	1.00
Rated Noise Power (IEC 2685 18.1)	P	W	1.50		Maximum Linear Excursion	X_{max}	mm	1.05
Test Spectrum Bandwidth	100Hz-20KHz		12 dB/Oct		Ferrofluid Type	FF		APG834
					Transducer Size	-	-	18 mm
					Transducer Mass	-	Kg	0.23

1 - Piston Band Sensitivity Tolerance

Frequency and Impedance Response:

