

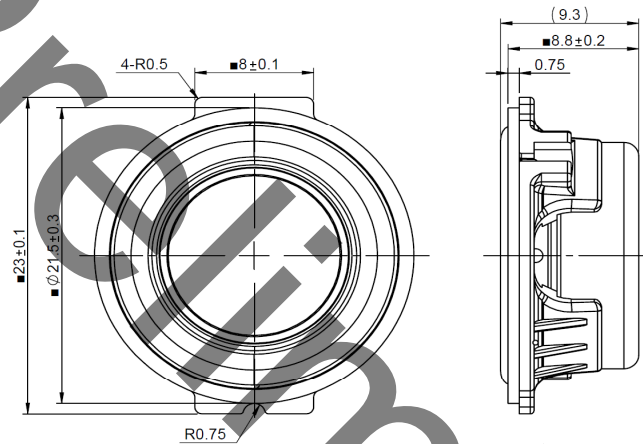


Product Description:

This 12mm 4Ω 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	3.6	$\pm 7.5\%$	Energy Bandwidth Product	EBP	$(1/Q_{es}) \cdot f_s$	149
Minimum Impedance	Z_{min}	Ω	4.1	$\pm 7.5\%$	Moving Mass	M_{ms}	g	0.20
Voice Coil Inductance	L_e	mH	0.03		Suspension Compliance	C_{sus}	um/N	1003.0
Resonant Frequency	f_s	Hz	359	$\pm 15\%$	Effective Cone Diameter	D	cm	1.8
Mechanical Q Factor	Q_{ms}	-	2.8		Effective Piston Area	S_p	cm ²	2.5
Electrical Q Factor	Q_{es}	-	2.41		Equivalent Volume	V_{eq}	L	0.009
Total Q Factor	Q_{ts}	-	1.26		Motor Force Factor	BL	T-m	0.89
Ratio f_s / Q_{es}	F	f_s / Q_{es}	284		Motor Efficiency Factor	β	$(T \cdot m^2) / \Omega$	0.19
Half Space Sensitivity @ 2.83V	dB@2.83V/1m	dB	79.5	$\pm 1.0^1$	Voice Coil Former Material	VC _m	-	KSV
Sensitivity @ 1W/1m	1W/1m	dB	76.6	$\pm 1.0^1$	Voice Coil Inner Diameter	VC _d	mm	12.00
					Gap Height	Gh	mm	1.00
Rated Noise Power (IEC 2685 18.1)	P	W	1.0		Maximum Linear Excursion	X_{max}	mm	0.40
Test Spectrum Bandwidth	350~20KHz	12 dB/Oct			Ferrofluid Type	FF	APG834	
					Transducer Size	-	mm	12.0
					Transducer Mass	-	kg	0.008

1 - Piston Band Sensitivity Tolerance

Frequency and Impedance Response:

