

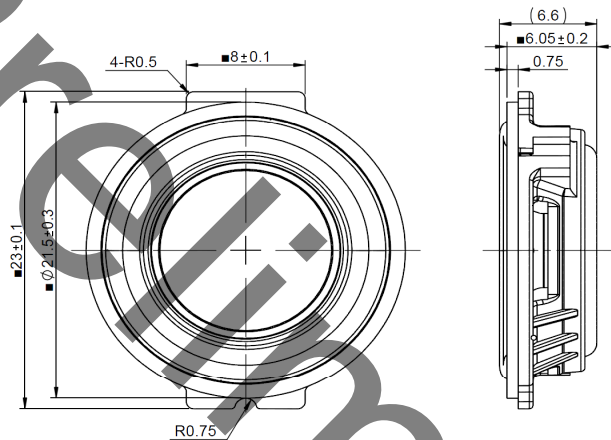


Product Description:

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	±7.5%	Energy Bandwidth Product	EBP	$(1/Q_{es}) \cdot f_s$	86
Minimum Impedance	Z_{min}	Ω	4.3	±7.5%	Moving Mass	M_{ms}	g	0.21
Voice Coil Inductance	L_e	mH	0.03		Suspension Compliance	C_{cs}	um/N	766.5
Resonant Frequency	f_s	Hz	397	±15%	Effective Cone Diameter	D	cm	1.8
Mechanical Q Factor	Q_{ms}	-	2.1		Effective Piston Area	S_p	cm ²	2.5
Electrical Q Factor	Q_{es}	-	4.63		Equivalent Volume	V_{eq}	L	0.007
Total Q Factor	Q_{ts}	-	1.45		Motor Force Factor	BL	T-m	0.70
Ratio f_s / Q_{ts}	F	f_s / Q_{ts}	275		Motor Efficiency Factor	β	$(T \cdot m^2) / \Omega$	0.11
Half Space Sensitivity @ 2.83V	$dB @ 2.83V/1m$	dB	76.5	±1.0 ¹	Voice Coil Former Material	VC_m	-	KSV
Sensitivity @ 1W/1m	$1W/1m$	dB	73.8	±1.0 ¹	Voice Coil Inner Diameter	VC_d	mm	12.00
					Gap Height	Gh	mm	0.80
Rated Noise Power (IEC 2685 18.1)	P	W	1.0		Maximum Linear Excursion	X_{max}	mm	0.25
Test Spectrum Bandwidth	400-20KHZ	12 dB/Oct			Ferrofluid Type	FF	APG834	
					Transducer Size	-	mm	12.0
					Transducer Mass	-	kg	0.004

1 - Piston Band Sensitivity Tolerance

Frequency and Impedance Response:

