

Model Number: OX20SC00-04
Product Line: Peerless Gold

Revision: Rev 1_0
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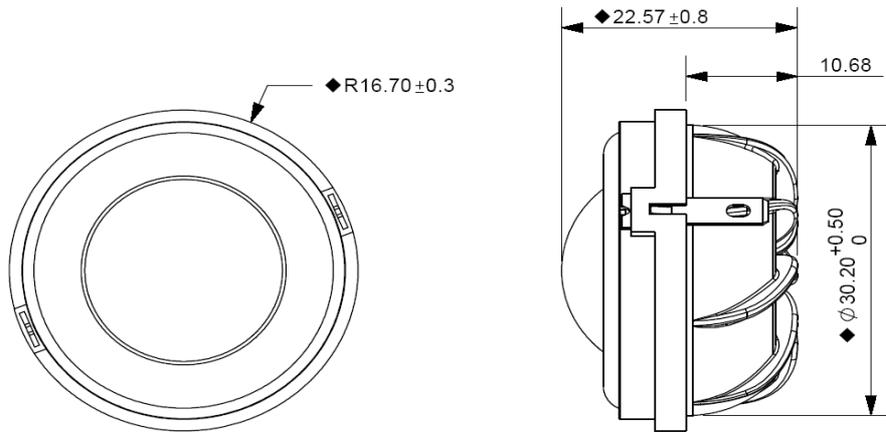


Product Description:

This OX family tweeter features a 19 mm diameter 4 ohm voice coil, a damped silk diaphragm with large surround roll, a neodymium magnet motor to produce a compact motor, and a metal rear chamber to provide both a lower resonant frequency and added heat sinking for power handling capacity. The product is designed to fit snugly into small applications, while providing excellent dynamic sound quality.



Mechanical 2D Drawing:



Specifications:

DC Resistance	R_{evc}	Ω	3.2	5.0%	Energy Bandwidth Product	EBP	$(1/Q_{es})f_s$	630
Minimum Impedance	Z_{min}	Ω	3.7	7.5%	Moving Mass	M_{ms}	g	0.21
Voice Coil Inductance	L_e	mH	0.01		Suspension Compliance	C_{ms}	um/N	99.3
Resonant Frequency	f_s	Hz	1110	15.0%	Effective Cone Diameter	D	cm	2.5
Mechanical Q Factor	Q_{ms}	-	7.2		Effective Piston Area	S_D	cm ²	4.9
Electrical Q Factor	Q_{es}	-	1.76		Equivalent Volume	V_{as}	L	0.00
Total Q Factor	Q_{ts}	-	1.41		Motor Force Factor	BL	T·m	1.62
Ratio f_s / Q_{es}	F	f_s / Q_{es}	785		Motor Efficiency Factor	β	$(T \cdot m^2) / \Omega$	0.82
Half Space Sensitivity @ 2.83V	dB@2.83V/1m	dB	91.0	$\pm 1.0^1$	Voice Coil Former Material	VC _m	-	Aluminium
Sensitivity @ 1W/1m	1W/1m	dB	86.0	$\pm 1.0^1$	Voice Coil Inner Diameter	VC _d	mm	19.3
Rated Noise Power (IEC 2685 18.1)	P	W	80		Gap Height	Gh	mm	2.0
Test Spectrum Bandwidth	2.5kHz - 20kHz	12 dB/Oct			Maximum Linear Excursion	X_{max}	mm	0.10
					Ferrofluid Type	FF		N/A
					Transducer Size	-	inch	0.75
					Transducer Mass	-	kg	0.041

1 - Piston Band Sensitivity Tolerance

Frequency and Impedance Response:

