

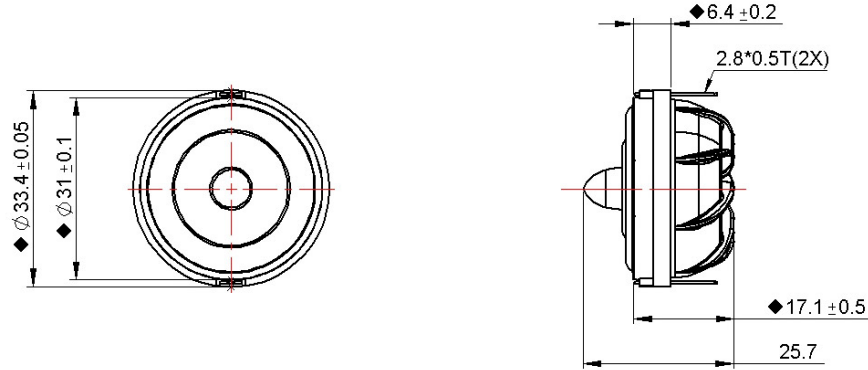
## Tweeter

This member of the OT tweeter family utilizes two Tymphany technologies to deliver exceptional sound quality: the ring radiator patent, and the central waveguide patent. This model features a 19mm 4 ohm voice coil, mounted in a neodymium magnet motor. The tweeter also features a rear chamber to create extended low frequency response. This compact tweeter without faceplate is ready for installation into compact systems.



OT19NC00-04

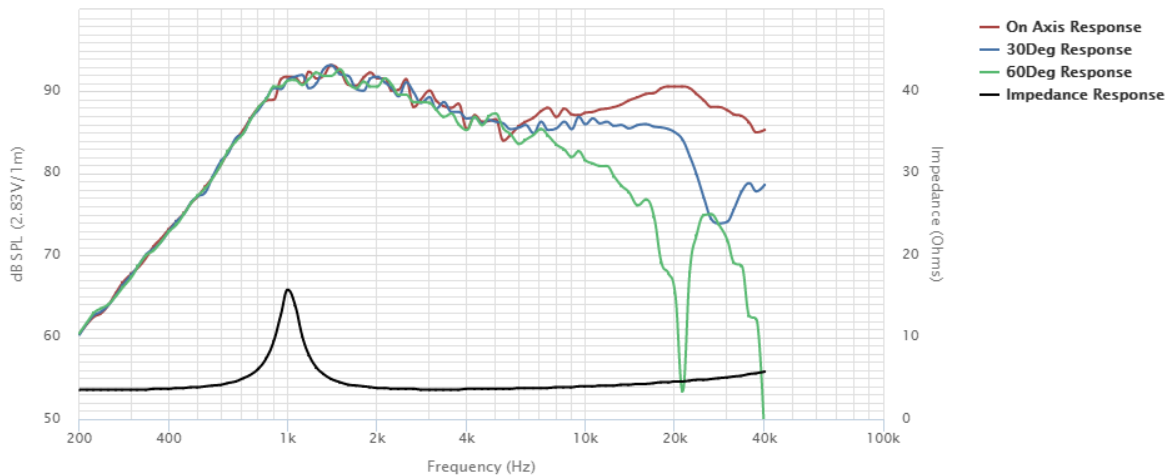
### MECHANICAL 2D DRAWING



### SPECIFICATIONS

DC Resistance	Revc	Ω	3.17	±5.0%	Moving Mass	Mms	g	0.2
Minimum Impedance	Zmin	Ω	3.64	±7.5%	Suspension Compliance	Cms	um/N	116.3
Voice Coil Inductance	Le	mH	0.01	-	Effective Cone Diameter	D	cm	2.4
Resonant Frequency	fs	Hz	1029.44	15%	Effective Piston Area	Sd	cm <sup>2</sup>	4.5
Mechanical Q Factor	Qms	-	7.03	-	Equivalent Volume	Vas	L	0
Electrical Q Factor	Qes	-	1.56	-	Motor Force Factor	BL	T•m	1.64
Total Q Factor	Qts	-	1.27	-	Motor Efficiency Factor	β	(T•m <sup>2</sup> )/Ω	0.9
Ratio	fs/Qts	-	808.03	-	Voice Coil Former Material	VCfm	-	ASV
Half Space Sensitivity	dB@2.83V/1m	dB	88.82	±1.01	Voice Coil Inner Diameter	VCd	mm	19.3
Sensitivity	1W/1m	dB	85.4	±1.01	Gap Height	Gh	mm	2
Rated Noise Power (IEC 268-5 18.1)	P	W	80	-	Maximum Linear Excursion	Xmax	mm	0.1
Test Spectrum Bandwidth		12 dB/Oct	2.5kHz - 20kHz	-	Ferrofluid Type	FF	-	
Energy Bandwidth Product	EBP	(1/Qes)•fs		-	Transducer Size	-	-	19 mm
				-	Transducer Mass	-	Kg	0.04

### FREQUENCY & IMPEDANCE RESPONSE



Highcharts.com