

## HIGH INTENSITY MAGNET

The high intensity magnet centrally mounted allows for very small dimensions and footprint, making it incomparably easy to install in all locations, including factory locations.

## UNIQUE SUSPENSION

The TW features a true suspension using proprietary foam for lightweight, low distortion and a smooth frequency response.

## DETACHABLE FACEPLATE

The faceplate is conveniently detachable for front or rear secure mount. A removable spring clip is included for front mount.

## REMOVABLE GRILLE

The grille is removable, has a very high open area, and is composed of magnetic stainless steel.

## VERSATILITY AND DURABILITY

All metal surfaces have a special multi coats treatment for salt water protection. While we do not claim "marine grade", all Raven speakers and drivers are designed, engineered and finished to withstand any environment. They can safely be used in cars, bikes, boats, ATVs, planes, homes.

## KEY FEATURES

### THOUGHTFUL DESIGN

The Raven TW has been designed in accordance to the needs of the most skilled and knowledgeable installers in the nation (USA).

### SUPERIOR SOUND QUALITY

The TW is second to none in terms of sound quality and dynamics when it comes to approaching live music in your car.

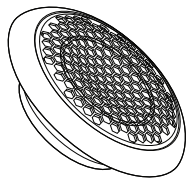
### COMPACT AND VERSATILE

Its compact size allows for a variety of options for mounting, including factory locations.

### EXTENDED FREQUENCY RESPONSE

It offers extended frequency response just like the best and most expensive hard dome tweeters of our world (beryllium, ceramic, etc...) but thanks to its uniquely high internal damping material we managed to get very low distortion and musicality together with high mechanical reliability (it won't crack or break).

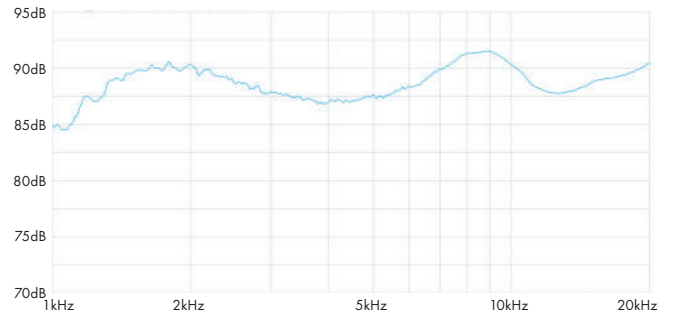




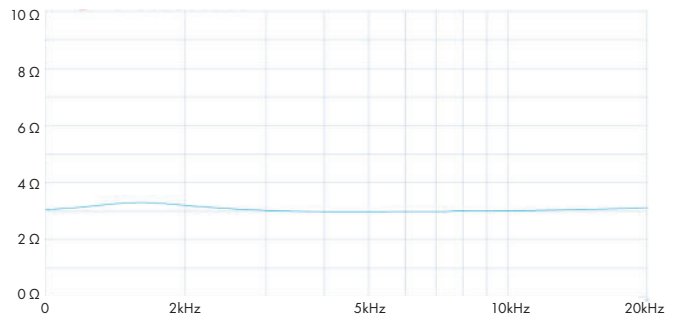
## TECHNICAL DATA

<b>RECOMMENDED XOVER POINT</b>	3000 Hz
<b>RECOMMENDED XOVER SLOPE</b>	12 dB/oct
<b>ALTERNATIVE XOVER SLOPE</b>	24 dB/oct
<b>NOMINAL POWER HANDLING</b>	200 W with 3000 Hz @ 24db/oct crossover
<b>PEAK POWER</b>	500 W
<b>SENSITIVITY 2.83 V / M</b>	92.5 dB
<b>EFFICIENCY 1 W / 1 M / 3 OHM</b>	88 dB
<b>NOMINAL IMPEDANCE</b>	3 Ohm
<b>DC RESISTANCE</b>	2.9 Ohm
<b>VOICE COIL DIAMETER</b>	25 mm (1 inch)
<b>FORMER MATERIAL</b>	Kapton
<b>VOICE COIL WIRE</b>	Aluminum
<b>VOICE COIL WINDING</b>	1 layer
<b>RESONANCE FREQUENCY</b>	1500 Hz
<b>INDUCTANCE AT 1 KHZ</b>	0.007 mH
<b>SURROUND</b>	Proprietary foam, profile designed by FEA modeling
<b>DOMES MATERIAL</b>	Proprietary variable thickness unidirectional carbon fiber, profile and stratification designed by FEA modeling
<b>DOMES DIAMETER</b>	27 mm (1.06in)
<b>MAGNET</b>	High power Neodymium magnet, FEA designed and optimized
<b>NET TOTAL WEIGHT</b>	85 grams (3 oz)
<b>FRONT MOUNT OD</b>	52mm (2.05 in)
<b>FRONT MOUNT HOLE</b>	40mm (1.58 in)
<b>FRONT MOUNT DEPTH</b>	10.9 mm (0.43 in)
<b>REAR MOUNT OD</b>	42mm (1.65 in)
<b>REAR MOUNT DEPTH</b>	15.4mm (0.60 in)

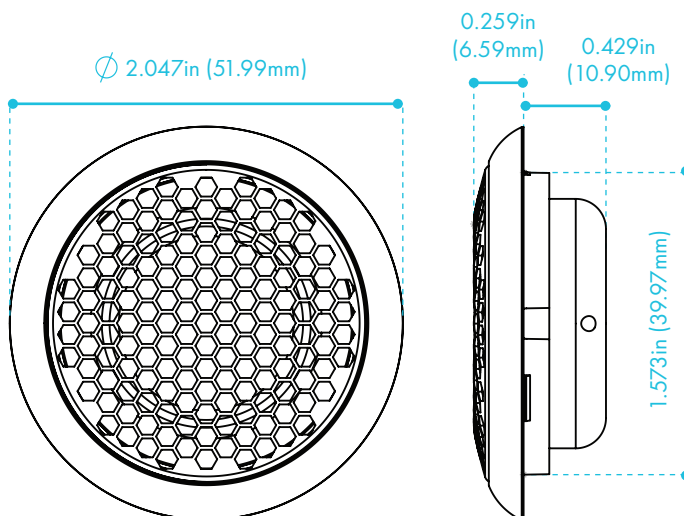
## FREQUENCY RESPONSE



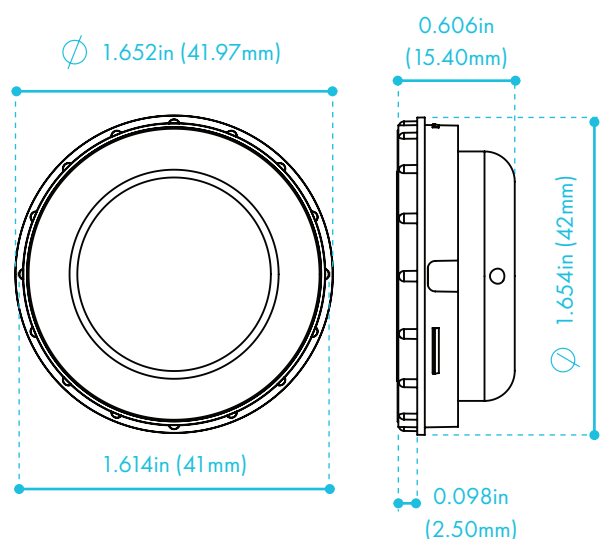
## IMPEDANCE

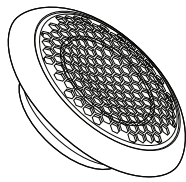


## FRONT MOUNT

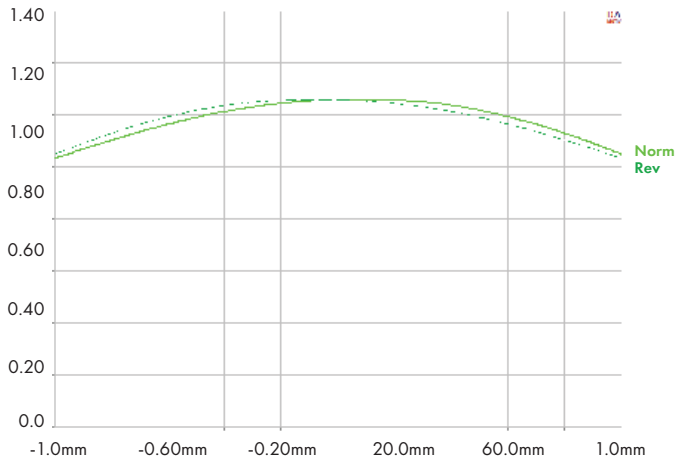


## REAR MOUNT

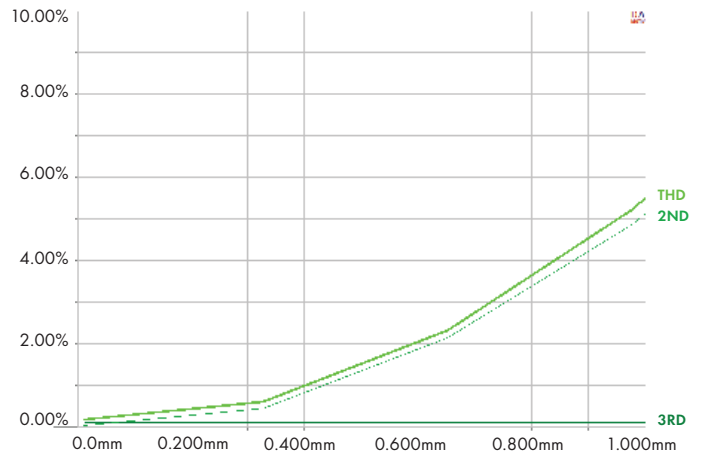




**BL VS EXCURSION**



**THD VS EXCURSION**



**INDUCTANCE VS FREQUENCY VS EXCURSION**

