



OWR-05049 SERIES MINIATURE RECEIVERS

A NEW FAMILY OF EFFICIENT DRIVERS

Ole Wolff is pleased to present a brand new series of receivers using the Deep Drawn Diaphragm Technology™.

This technology offers

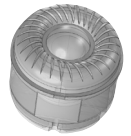
- very high performance
- very high sensitivity
- very small form factor for flexible placement inside earpiece

The OWR-05049 receivers are the first on the DDD-technology™ platform.

More variants based on same platform are being developed, completing a full range of receivers optimized for various earphone applications.

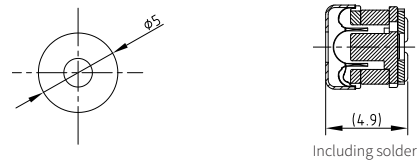
DEEP DRAWN DIAPHRAGM TECHNOLOGY™

The OWR-05049 series has a very unique diaphragm construction which virtually uses the receivers' full outer diameter giving it a SPL gain of 4dB compared to a conventional receiver of the same size. This technique is Patent Pending, PCT/EP2016/059402.



Without front grill

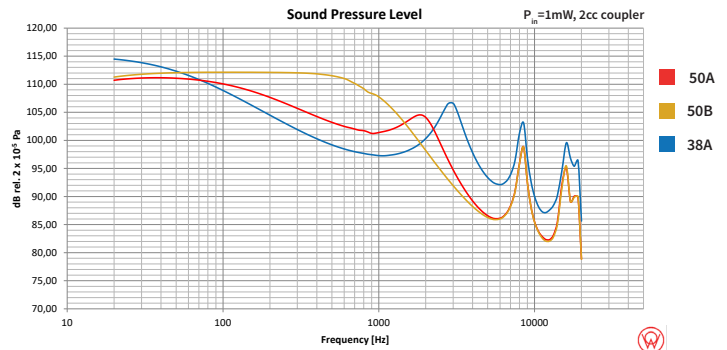
DIMENSIONS



A FAMILY OF THREE

The OWR-05049 series consists of three variants:

- OWR-05049T-50A, woofer, 50 ohm
- OWR-05049T-50B, LF boost woofer, 50 ohm
- OWR-05049T-38A, full range, 38 ohm



OWR-05049T-50A

- 50 ohm nom. impedance
- Optimized for woofer applications using passive crossovers.

Applications

- Hybrid, OWR-05049T-50A + balanced armature
- Dual driver OWR-05049T-50A woofer and OWR-05049T-38A as tweeter

OWR-05049T-50B

- 50 ohm nom. impedance
- Optimized for woofer applications using active crossovers/DSP. Uses 50% less power in the 20Hz to 1.6 kHz band when actively filtered¹.

Applications

- Hybrid, OWR-05049T-50B + balanced armature
- Dual driver OWR-05049T-50B woofer and OWR-05049T-38A as tweeter

¹) Curve filtered to match OWR-05049-50A from 0.02 to 1.6 kHz. Power measured using pink noise as stimulus.

OWR-05049T-38A

- 38 ohm nom. impedance
- Optimized for stand-alone and tweeter applications
- Wide bandwidth

Applications

- Single driver earphone
- Dual driver OWR-05049T-50A/B woofer and OWR-05049T-38A as tweeter

RESOURCES: Upon request Ole Wolff can supply Thiele-Small data, 3D CAD drawings and Comsol™ lumped models of the receivers to assist you in the design process.