

## SPECIFICATION

### **Filtör - DM Music Black**

*Passive acoustic filters from DEC.*

Offering outstanding acoustic performance in a discrete miniature package, the DM series of music filters has been designed specifically for musicians, music lovers and concert goers. DM filters provide state of the art hearing protection whilst maintaining clarity of sound with full music dynamic.



Normal earplugs have a tendency to provide too much attenuation where it's not required, this is due to the use of cheap materials and little in the way of design. This unequal reduction of sounds results in muffled speech and music sounding unnatural.

Filtör technology ensures the user has air constantly flowing into the ear, this ventilation reduces the occlusion effect and irritation within the ear canal maximising user comfort. The combination of air flow and flat attenuation permits conversations to be heard without removing Filtör while still enjoy the full music dynamic without muffling or loss of sound at higher frequencies.

*The DM Black has an SNR value of 26 dB offering mid/high attenuation, suitable for music SPL up to 111 dB. This attenuation level is satisfactory for many applications.*

#### **Who uses DEC DM music Filtör?**

DEC's DM music Filtör range provides a tuned, flat attenuation response, this means that all frequencies are reduced by almost the same level, great for music as the listener loses nothing of the original sound, it's just brought down to a safe level. This makes DM Filtör suitable for a wide range of applications, especially if the noise source is at a constant level across the frequency range. Users include;

Concert goers, clubbers and DJ's – reduces amplified music to safe levels  
Aircraft crew – reduces engine and wind noise  
Sports events – reduced PA and crowd noise, especially the Vuvuzela  
Motorcyclist and race fans – reduced wind noise, engine drone and crowds  
**MUSICIANS!** – protecting their own ears from (amplified) music

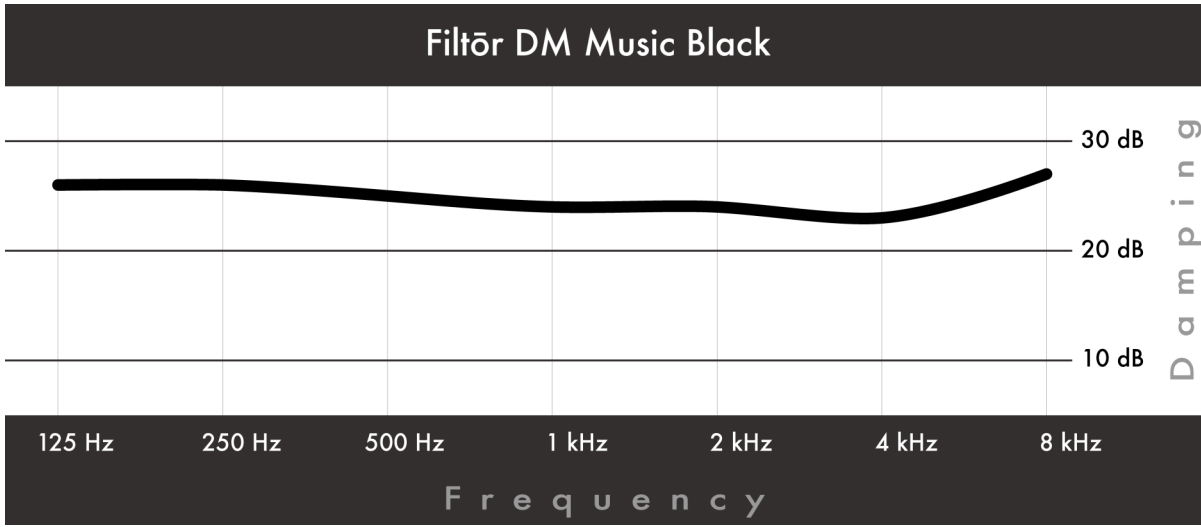
The Filtör range of passive protection has been developed for use in both custom earmoulds (soft or hard) and universal plugs and is fully interchangeable with other products from the Dynamic Ear Company.



# Tentative

## Acoustic Specification

Minimum expected damping level [dB]	125 Hz	250 Hz	500 Hz	1 kHz	2 kHz	4 kHz	8 kHz	H	M	L	SNR
Filtör DM Black	26	26	25	24	24	23	27	24	24	25	26



Attenuation is calculated according CE norm EN 353.2 by ISO 4869.2 for high (H), medium (M), low (L) frequency level and as the single noise attenuation rating (SNR).

The requirements for the correct mounting of Filtör DM can be found in 'M-1009-01.PDF'.

## Drawing

