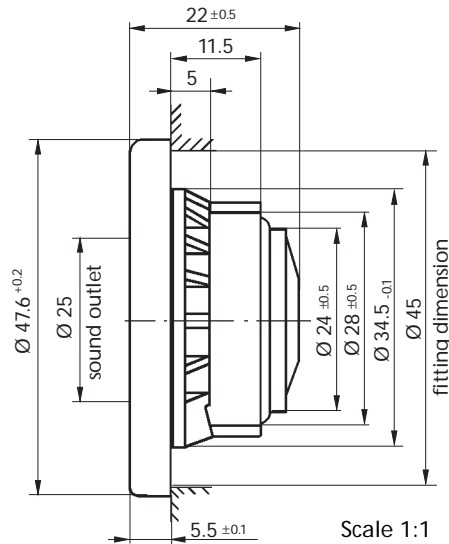




**Dynamic Transducers Series 80-21...**  
**Part No. 80-21-02657, 80-21-02658 and 80-21-04174**



Suitable as microphone and loudspeaker

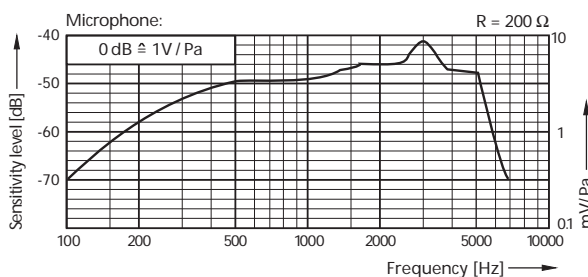
**Technical specification**

Weight .....	approx. 45 g	
Terminals .....	Part No. 80-21-02657: with 80 mm stranded wires, ends tinned Part No. 80-21-02658: with 80 mm stranded wires and terminal lugs Ø 3.2 mm Part No. 80-21-04174: with 80 mm stranded wires and flat socket connectors 2.8 x 0.5 mm	
Degree of protection (front) .....	IP 43	according to DIN 40050
Temperature range .....	operation: -40 °C up to +60 °C storage: -40 °C up to +80 °C	Nb } acc. to DIN IEC 68 section 2-14 Nb } Db } acc. to DIN IEC 68 section 2-30
Acceptable relative humidity .....	≤ 93 %	

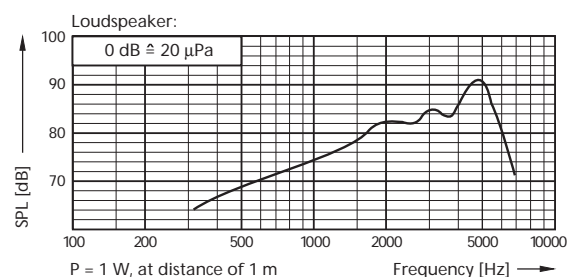
**Electroacoustic specification (capsule fitted into housing)**

DC resistance (±15 %) .....	50; 200; 600 Ω (other values on request)	
Directional characteristic .....	omnidirectional	
Free-field no-load sensitivity .....	3.2 mV/Pa [(-50 ± 3) dB, rel. 1 V/Pa]	R = 200 Ω, f = 1 kHz
Power handling capability .....	0.2 W (short-term 0.5 W)	according to DIN 45573
Rated sound pressure level .....	(74 ± 2) dB, rel. 20 µPa	at 1 W, at distance of 1 m, f = 1 kHz

**Frequency response**



Capsule fitted into a handset



Capsule fitted into a handset

**Holmberg GmbH & Co. KG**  
Ohlauer Straße 5-11  
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D-10971 Berlin  
Phone 030/617 80-0  
Fax 030/618 40 94

Specifications subject to change without notice.

Printed in Germany  
02.97

For optimal frequency response the conditions of installation are important, especially the design of front and rear sound openings. Please ask for further information!

