

	Date	20-July-2018	SPECIFICATION	OLE WOLFF
	Page	1 / 6		www.owolff.com
	CN	P/N: OWMB-1295P-24-5		Revision: 00

SPECIFICATION FOR APPROVAL

Electro-Magnetic Transducer

Part Number	OWMB-1295P-24-5
Note	This item was compliance with the following requirements: 1. RoHS directive
Customer P/N	

Ole Wolff	Signature / Date	Prepared	Checked	Approved
		Davy Liu 2018.07.20		

Customer	Signature / Date	Confirmation

REVISION NOTES:

Date	Rev.	Description of Revision
2018.07.20	00	Initial Release

OLE WOLFF ELEKTRONIK A/S Roedengvej 25 4180 Soroe Denmark TEL: +45 57833830 FAX: +45 57820019	OLE WOLFF ELECTRONICS INC. 1525 McCarthy Blvd, Suite 1093 Milpitas, Ca 95035 USA TEL: +1 408 888 8413	OLEWOLFF ELEKTRONIK GmbH Schulstrasse 15A. DE-25451 Quickborn. Germany TEL: +49 (0) 4106 765900 FAX: +49 (0) 4106 627297	OLEWOLFF ELECTRONICS 3 Bedford Street, Woburn, Bedfordshire MK17 9QB, ENGLAND TEL: +44 (0) 1525 290755 FAX: +44 (0) 1525 290855	OLE WOLFF ELEKTRONIK Yliopistonkatu 26 (P.O.BOX 257) FI-40101 Jyväskylä Finland TEL: +358 14 338 3050 FAX: +358 14 338 3059	OLE WOLFF (ASIA) LTD. Unit B, 19/F., Bold Win Ind. Bldg., No. 16-18 Wah Sing St., Kwai Chung, N.T., H.K. TEL: +852 2424 3274 FAX: +852 2424 2219	OLE WOLFF LTD. 5 Floor, Block G, WenTao Industrial Park, YingRenShi, Bao'an District, Shenzhen, PRC TEL: +86 755 82612542 TEL: +86 755 26406156
---	---	--	--	--	--	---

	Date	20-July-2018	SPECIFICATION	OLE WOLFF
	Page	2 / 6		www.owolff.com
	CN	P/N: OWMB-1295P-24-5		Revision: 00

1. SCOPE

THIS SPECIFICATION IS APPLIED TO OLE WOLFF SMD ELECTRO-MAGNETIC TRANSDUCER UNIT OF MODEL: OWMB-1295P-24-5

2. GENERAL REQUIREMENTS

OPERATING TEMPERATURE RANGE: -40°C ~ +85°C

STORAGE TEMPERATURE RANGE: -40°C ~ +90°C

3. MECHANICAL LAYOUT & DIMENSIONS

DIMENSIONS: SHOWN IN FIGURE 3.

WEIGHT: 2g

4. ELECTRICAL CHARACTERISTICS

NO.	ITEM	SPECIFICATION
1	RATED VOLTAGE	5V
2	OPERATING VOLTAGE	3~7V
3	*RESONANT FREQUENCY	2400±300Hz
4	* SOUND OUTPUT AT 10cm	≥85dB
5	*RATED CURRENT	≤30mA
6	HOUSING MATERIAL	PBT

*Applying rated voltage (VDC)

☆Test basic state: Temp(20±2°C) , Humidity(40~70%RH) , Air pressure(860~1060hPa).

OLE WOLFF ELEKTRONIK A/S Roedengvej 25 4180 Soroe Denmark TEL: +45 57833830 FAX: +45 57820019	OLE WOLFF ELECTRONICS INC. 1525 McCarthy Blvd, Suite 1093 Milpitas, Ca 95035 USA TEL: +1 408 888 8413	OLEWOLFF ELEKTRONIK GmbH Schulstrasse 15A. DE-25451 Quickborn. Germany TEL: +49 (0) 4106 765900 FAX: +49 (0) 4106 627297	OLEWOLFF ELECTRONICS 3 Bedford Street, Woburn, Bedfordshire MK17 9QB, ENGLAND TEL: +44 (0) 1525 290755 FAX: +44 (0) 1525 290855	OLE WOLFF ELEKTRONIK Yliopistonkatu 26 (P.O.BOX 257) FI-40101 Jyväskylä Finland TEL: +358 14 338 3050 FAX: +358 14 338 3059	OLE WOLFF (ASIA) LTD. Unit B, 19/F, Bold Win Ind. Bldg., No. 16-18 Wah Sing St., Kwai Chung, N.T., H.K. TEL: +852 2424 3274 FAX: +852 2424 2219	OLE WOLFF LTD. 5 Floor, Block G, WenTao Industrial Park, YingRenShi, Bao'an District, Shenzhen, PRC TEL: +86 755 82612542 TEL: +86 755 26406156
---	---	--	--	--	---	---

	Date	20-July-2018	SPECIFICATION	OLE WOLFF
	Page	3 / 6		www.owolff.com
	CN	P/N: OWMB-1295P-24-5		Revision: 00

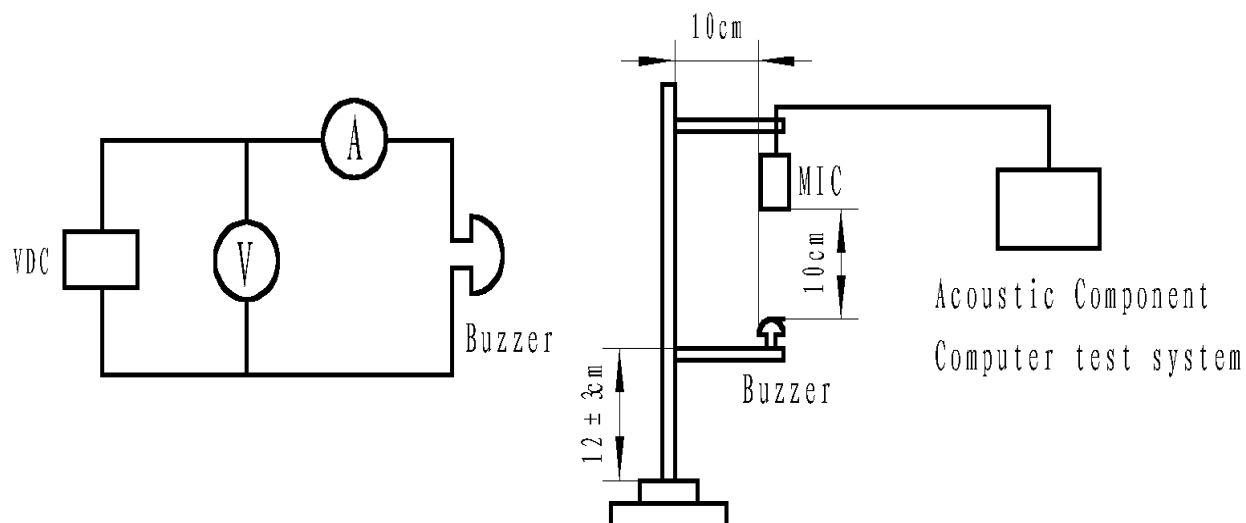
5. RELIABILITY TEST

- After Test All specifications must be satisfied after the test.																
5.1 High temperature Test Temperature: +90±2℃ Duration: 96HRS																
5.2 Low temperature Test Temperature: -40±2℃ Duration: 96HRS																
5.3 Humidity Test Temperature: +40±2℃ Humidity: 90～95% RH Duration: 96HRS																
5.4 Temperature cycling Test<table><tr><td>Temperature: -40±2℃</td><td>room temp.</td><td>+90±2℃</td><td>room temp.</td></tr><tr><td>Duration: 30min</td><td>15min</td><td>30min</td><td>15min</td></tr><tr><td>Cycle: 5 cycles</td><td></td><td></td><td></td></tr></table>					Temperature: -40±2℃	room temp.	+90±2℃	room temp.	Duration: 30min	15min	30min	15min	Cycle: 5 cycles			
Temperature: -40±2℃	room temp.	+90±2℃	room temp.													
Duration: 30min	15min	30min	15min													
Cycle: 5 cycles																
5.5 Vibration Test Make the test for the directions of X Y and Z (total 0.5 hours). To-and-fro. sweep time (from 10 to 55 Hz and then from 55 to 10 Hz) under single amplitude of 1.0mm is 1 minute.																
5.6 Drop test 3 times from height of 70cm onto the surface of 10mm thick wooden board.																
5.7 Solder heat resistance The part leads (pins) shall be immersed in molten solder maintained at 260±5℃ for a period of 10 seconds.Refer to GB2423.28.																
Warranty:For a period of one year from date of manufacture under normal operations.																

OLE WOLFF ELEKTRONIK A/S Roedengvej 25 4180 Soroe Denmark TEL: +45 57833830 FAX: +45 57820019	OLE WOLFF ELECTRONICS INC. 1525 McCarthy Blvd, Suite 1093 Milpitas, Ca 95035 USA TEL: +1 408 888 8413	OLEWOLFF ELEKTRONIK GmbH Schulstrasse 15A. DE-25451 Quickborn. Germany TEL: +49 (0) 4106 765900 FAX: +49 (0) 4106 627297	OLEWOLFF ELECTRONICS 3 Bedford Street, Woburn, Bedfordshire MK17 9QB, ENGLAND TEL: +44 (0) 1525 290755 FAX: +44 (0) 1525 290855	OLE WOLFF ELEKTRONIK Yliopistonkatu 26 (P.O.BOX 257) FI-40101 Jyväskylä Finland TEL: +358 14 338 3050 FAX: +358 14 338 3059	OLE WOLFF (ASIA) LTD. Unit B, 19/F., Bold Win Ind. Bldg., No. 16-18 Wah Sing St., Kwai Chung, N.T., H.K. TEL: +852 2424 3274 FAX: +852 2424 2219	OLE WOLFF LTD. 5 Floor, Block G, WenTao Industrial Park, YingRenShi, Bao'an District, Shenzhen , PRC TEL: +86 755 82612542 TEL: +86 755 26406156
---	---	--	--	--	--	--

	Date	20-July-2018	SPECIFICATION	OLE WOLFF
	Page	4 / 6		www.owolff.com
	CN	P/N: OWMB-1295P-24-5		Revision: 00

6. TEST METHOD (Figure 1)

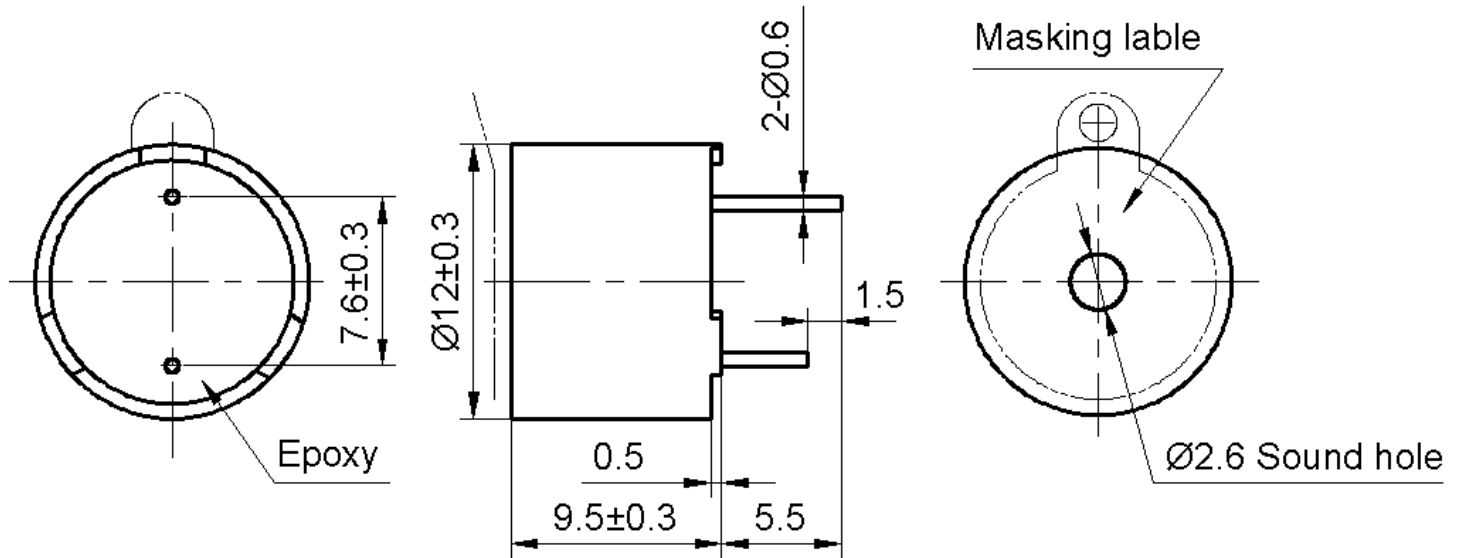


OLE WOLFF ELEKTRONIK A/S Roedengvej 25 4180 Soroe Denmark TEL: +45 57833830 FAX: +45 57820019	OLE WOLFF ELECTRONICS INC. 1525 McCarthy Blvd, Suite 1093 Milpitas, Ca 95035 USA TEL: +1 408 888 8413	OLEWOLFF ELEKTRONIK GmbH Schulstrasse 15A. DE-25451 Quickborn. Germany TEL: +49 (0) 4106 765900 FAX: +49 (0) 4106 627297	OLEWOLFF ELECTRONICS 3 Bedford Street, Woburn, Bedfordshire MK17 9QB, ENGLAND TEL: +44 (0) 1525 290755 FAX: +44 (0) 1525 290855	OLE WOLFF ELEKTRONIK Yliopistonkatu 26 (P.O.BOX 257) FI-40101 Jyväskylä Finland TEL: +358 14 338 3050 FAX: +358 14 338 3059	OLE WOLFF (ASIA) LTD. Unit B, 19/F, Bold Win Ind. Bldg., No. 16-18 Wah Sing St., Kwai Chung, N.T., H.K. TEL: +852 2424 3274 FAX: +852 2424 2219	OLE WOLFF LTD. 5 Floor, Block G, WenTao Industrial Park, YingRenShi, Bao'an District, Shenzhen, PRC TEL: +86 755 82612542 TEL: +86 755 26406156
---	---	--	---	---	--	--

	Date	20-July-2018	SPECIFICATION	OLE WOLFF
	Page	5 / 6		www.owolff.com
	CN	P/N: OWMB-1295P-24-5		Revision: 00

7. DIMENSIONS (Figure 3)

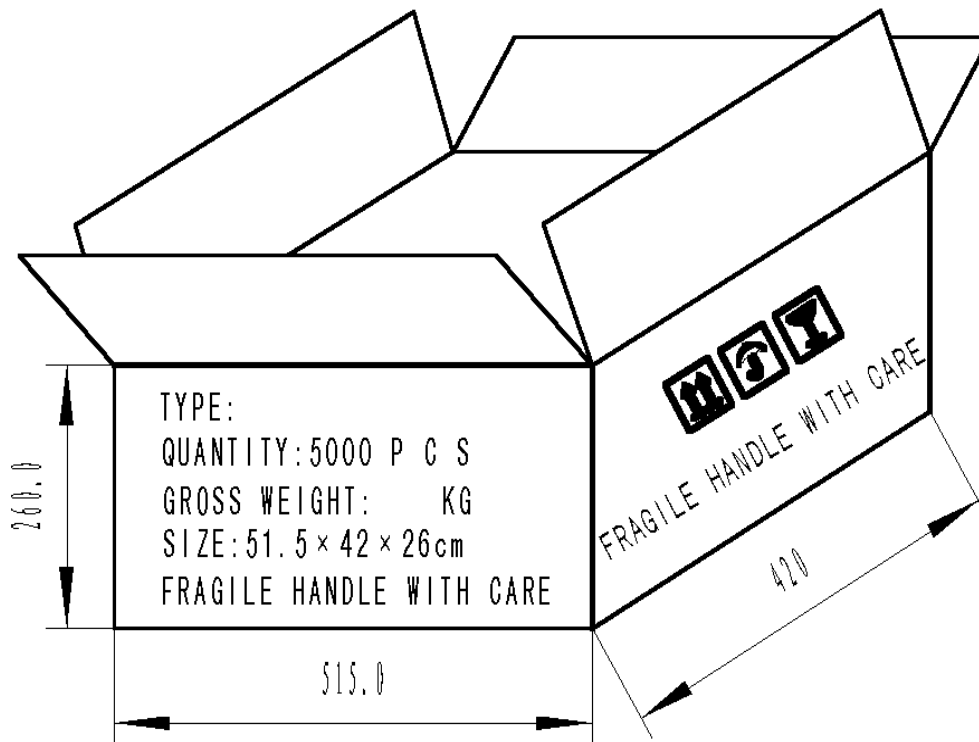
Unit: mm Tolerance: $\pm 0.5\text{mm}$ Except Specified



OLE WOLFF ELEKTRONIK A/S Roedengvej 25 4180 Soroe Denmark TEL: +45 57833830 FAX: +45 57820019	OLE WOLFF ELECTRONICS INC. 1525 McCarthy Blvd, Suite 1093 Milpitas, Ca 95035 USA TEL: +1 408 888 8413	OLEWOLFF ELEKTRONIK GmbH Schulstrasse 15A. DE-25451 Quickborn. Germany TEL: +49 (0) 4106 765900 FAX: +49 (0) 4106 627297	OLEWOLFF ELECTRONICS 3 Bedford Street, Woburn, Bedfordshire MK17 9QB, ENGLAND TEL: +44 (0) 1525 290755 FAX: +44 (0) 1525 290855	OLE WOLFF ELEKTRONIK Yliopistonkatu 26 (P.O.BOX 257) FI-40101 Jyväskylä Finland TEL: +358 14 338 3050 FAX: +358 14 338 3059	OLE WOLFF (ASIA) LTD. Unit B, 19/F., Bold Win Ind. Bldg., No. 16-18 Wah Sing St., Kwai Chung, N.T., H.K. TEL: +852 2424 3274 FAX: +852 2424 2219	OLE WOLFF LTD. 5 Floor, Block G, WenTao Industrial Park, YingRenShi, Bao'an District, Shenzhen, PRC TEL: +86 755 82612542 TEL: +86 755 26406156
---	---	--	--	--	--	---

	Date	20-July-2018	SPECIFICATION	OLE WOLFF
	Page	6 / 6		www.owolff.com
	CN	P/N: OWMB-1295P-24-5		Revision: 00

PACKAGE INFORMATION (Figure 6)



NOTES:

- 1.100 PCS per box
- 2.Total 50 boxes per carton
- 3.Total 5000 PCS carton
- 4.Volume:51.5×42×26cm

OLE WOLFF ELEKTRONIK A/S Roedengvej 25 4180 Soroe Denmark TEL: +45 57833830 FAX: +45 57820019	OLE WOLFF ELECTRONICS INC. 1525 McCarthy Blvd, Suite 1093 Milpitas, Ca 95035 USA TEL: +1 408 888 8413	OLEWOLFF ELEKTRONIK GmbH Schulstrasse 15A. DE-25451 Quickborn. Germany TEL: +49 (0) 4106 765900 FAX: +49 (0) 4106 627297	OLEWOLFF ELECTRONICS 3 Bedford Street, Woburn, Bedfordshire MK17 9QB, ENGLAND TEL: +44 (0) 1525 290755 FAX: +44 (0) 1525 290855	OLE WOLFF ELEKTRONIK Yliopistonkatu 26 (P.O.BOX 257) FI-40101 Jyväskylä Finland TEL: +358 14 338 3050 FAX: +358 14 338 3059	OLE WOLFF (ASIA) LTD. Unit B, 19/F., Bold Win Ind. Bldg., No. 16-18 Wah Sing St., Kwai Chung, N.T., H.K. TEL: +852 2424 3274 FAX: +852 2424 2219	OLE WOLFF LTD. 5 Floor, Block G, WenTao Industrial Park, YingRenShi, Bao'an District, Shenzhen, PRC TEL: +86 755 82612542 TEL: +86 755 26406156
---	---	--	--	--	--	---