

50mm Ultra-thin Speakers



DESCRIPTION

Low Profile full range paper cone speakers just 10mm thick.

DISTINCTIVE FEATURES

- Paper cone
- 50mm diameter
- 10mm depth
- Solder tag termination
- Fitted with flange to assist mounting
- Nominal power 0.2W
- 8R Impedance

APPLICATIONS

Wide range speakers are suitable for speech, music and indication purposes. Ultra-slim design allows use where space is at a premium.

**50mm
Ø**

**8R
Impedance**

85dB

**Max
0.5W**



ELECTRICAL SPECIFICATION

Impedance	8R
Power Handling (Nominal)	0.2W
Power Handling (Peak)	0.5W
Voicecoil Impedance	8Ω ± 15% at 750 Hz
Polarity	When a positive D.C. current is applied to the voice coil terminal marked + the diaphragm shall move forward
Insulation Voltage	100V A.C. 50 or 60 Hz/sec voltage at voicecoil and frame, test 1 minute
Insulation Resistance	D.C. 500V at voicecoil and frame test. Resistance value not under 20m Ω
Revc	8.7Ω
Zo	9.96Ω



GENERAL SPECIFICATION

Type	Mylar cone miniature speaker
Nominal Size	50mm diameter
Resonant Frequency	468 ± 15% HZ AT 1V
Frequency Response Deviation	(FO~ 4200HZ) MAX 10 dB
Sensitivity	90 ± 2 dB (1 W 100CM)
Flux Density	1.4 Gauss
QTS (Total Damping)	2.07
QMS (Mechanical Damping)	5.56
QES (Electro-mechanical Damping)	3.31
VAS	0.07 Litre



MATERIALS

Cone	Paper
Frame	Mild Steel
Terminals	Tin plated Brass



ENVIRONMENTAL/OPERATING SPECIFICATION

Heat Resistance	70 ± 2°C 16 hr
Humidity Resistance	40 ± 2°C 96 hr 90%
Vibration Test	Less than 10Hz – 55Hz - 10Hz/min double amplitude 1.5mm test time 1hr
Cold Resistance	-20 ± 2°C 16 hr



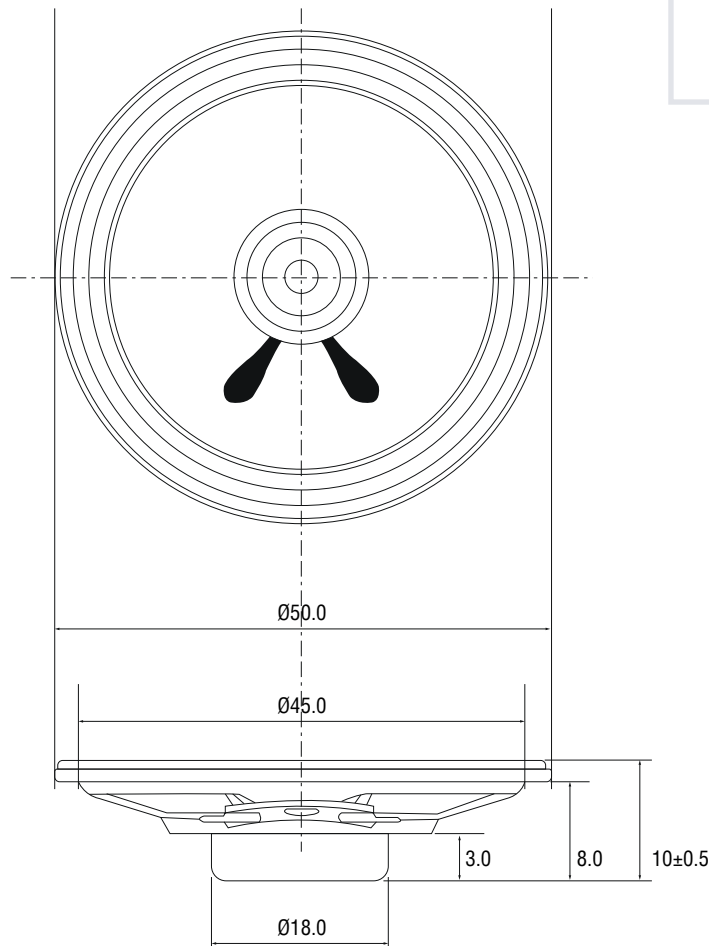
TERMINALS

Terminal Type	Solder Tag
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DIMENSIONS/DRAWINGS

Units	mm - unless stated otherwise
Dimensions	50mm dia x 10mm Deep
Magnet Dimensions	12.5 x 2MM
Weight	16g



PART NUMBER TABLE

Part Number	Impedance	EAN	UNSPSC	Country of origin
35-0910	8 Ω	5053556001606	52161512	China

R-TECH

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