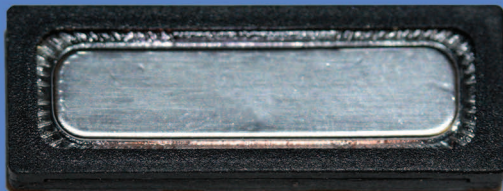
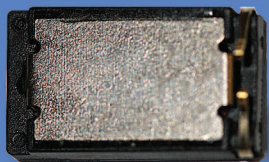


AUDIBLE SOLUTIONS FOR THE MOBILE INDUSTRY

LOW-PROFILE SPEAKERS

HEIGHT: 2.0 - 3.5 mm



FORM FACTORS

LENGTH x WIDTH (mm)

12 | 6

15 | 6

15 | 11

16 | 9

17 | 12

18 | 13

25 | 9

MORE MAGNETS, MORE OUTPUT

MODELS WITH ONE / THREE / FIVE MAGNETS

TERMINATION OPTIONS

SPRINGS / SOLDER PADS / LEADS / CONNECTORS

GASKETS

CUSTOMIZABLE FRONT AND BACK

IPX7 COMPLIANCE

WATER RESISTANT OPTION ON ALL MODELS

ENCLOSURES

CUSTOM GRILLS AND MOLDED HOUSINGS



Phone: (631) 595-2217

Email: sales@challelec.com

Web: challengeelectronics.com

Challenge Electronics is a global supplier of audible components.

LOW-PROFILE SPEAKERS FROM CHALLENGE ELECTRONICS

This product category is evolving rapidly. Use the table below as a guide. Check our web site or call for additional options.

SERIES ¹	WIDTH ²	HEIGHT ²						MAGNETS			TERMINATION	
		2.0	2.3	2.5	2.7	3.0	3.5	1	3	5	SPRING	SOLDER
CES250	9.0					✓		✓				✓
CES180	13.0			✓				✓	✓		✓	✓
CES170	12.0		✓							✓		✓
CES160	9.0				✓	✓		✓	✓	✓	✓	✓
CES150	11.0			✓		✓	✓	✓	✓		✓	✓
CES150 ³	6.0	✓						✓			✓	
CES120 ³	6.0	✓						✓			✓	

1. CESXXX where 'XXX' is 'length' in tenths of a millimeter

2. Dimensions are given in millimeters

3. Receiver

PRODUCTS AND/OR SPECIFICATIONS SUBJECT TO CHANGE



GASKETS

Custom gaskets are available for the front and back, with or without single or double-sided adhesives.



IPX7

All speakers are available with an IPX7 Water Resistant rating.

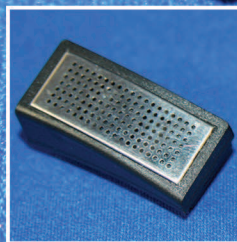


HIGH VOLUME

All speakers are produced at our semi-automated facility for high volume and fast turnaround.

ENCLOSURES

Custom enclosures and terminations are available for the entire series. Grills, molded housings, wiring and connectors are made to specifications.



CHALLENGE ELECTRONICS
A global supplier of audible components



CALL: 1-800-722-8197

EMAIL: sales@challelec.com

ONLINE: www.challengeelectronics.com/speakers/mobile