

MODEL: CMS-3118-38E | **DESCRIPTION:** SPEAKER**FEATURES**

- 8 ohm
- rated 3.0 W
- solder eyelets

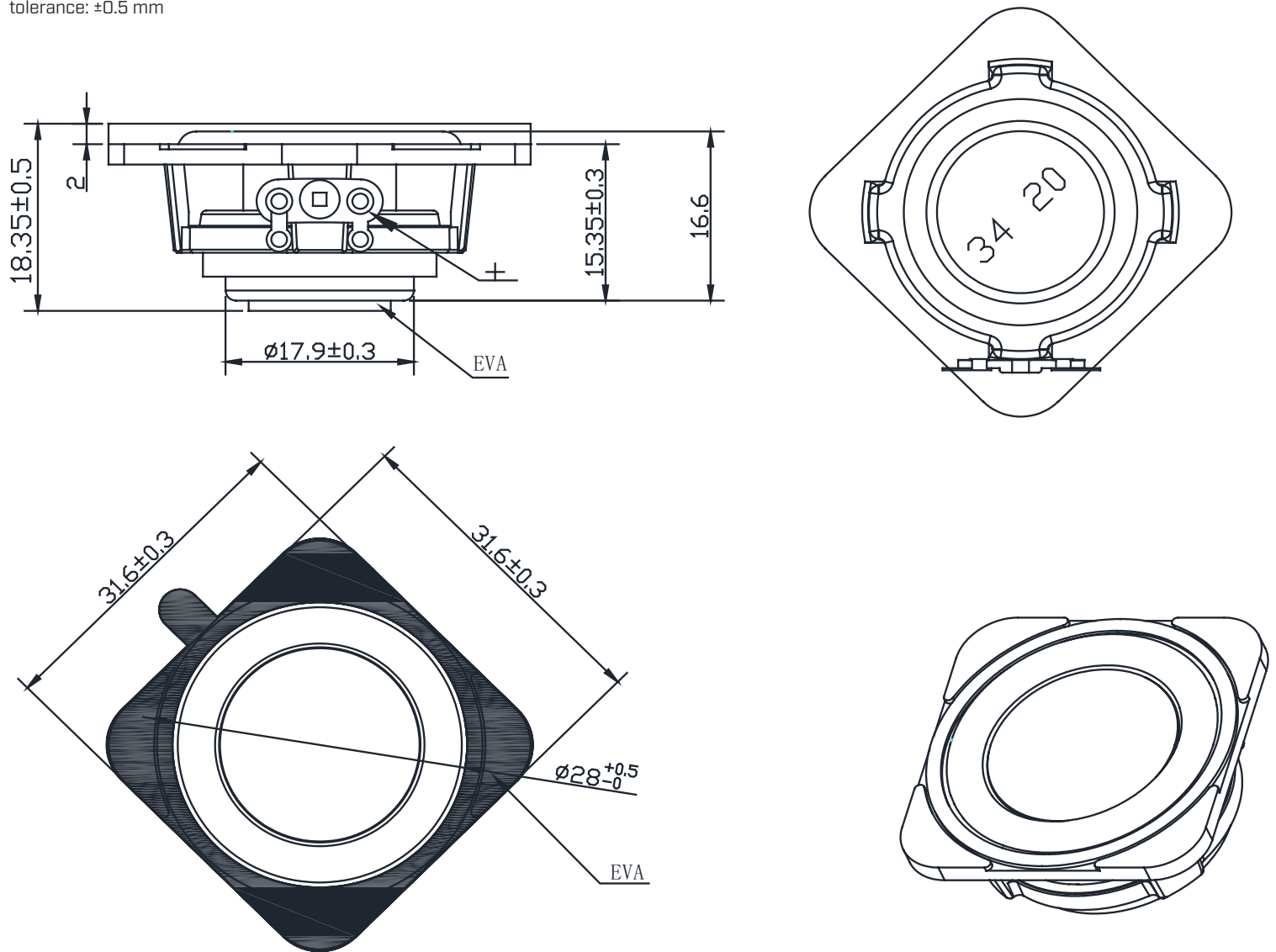
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5 filter 60s on/120s off 10 cycles (room temp.)		3.0	5.0	W
impedance	at 1.5 kHz, 1.0 V	6.8	8.0	9.2	Ω
resonant frequency (Fo)	at 1.0 V	304	380	456	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 3.0 W, 10 cm, avg at 2.0 kHz	95	98	101	dB
distortion	at 1.0 kHz, rated power			5	%
buzz, rattle, etc.	must be normal at sine wave, from Fo to 5 kHz			4.89	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	31.6 x 31.6 x 18.35				mm
magnet	Nd-Fe-B				
frame material	PC + ABS				
cone material	rubber + AL				
terminal	solder eyelets				
weight			14.5		g
operating temperature		-25		85	°C
storage temperature		-25		85	°C
hand soldering	for 1-3 seconds	370	380	390	°C
RoHS	yes				

Notes: 1. All specifications measured at 5-35°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

MECHANICAL DRAWING

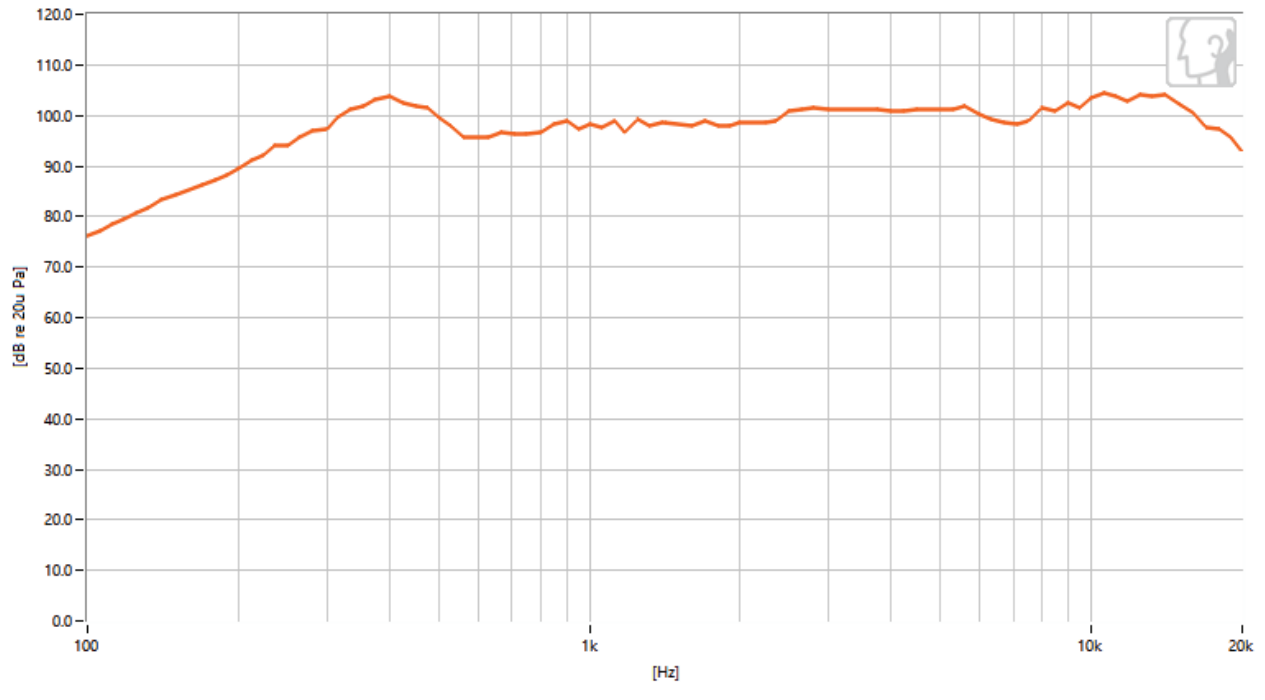
units: mm
tolerance: ± 0.5 mm



RESPONSE CURVES

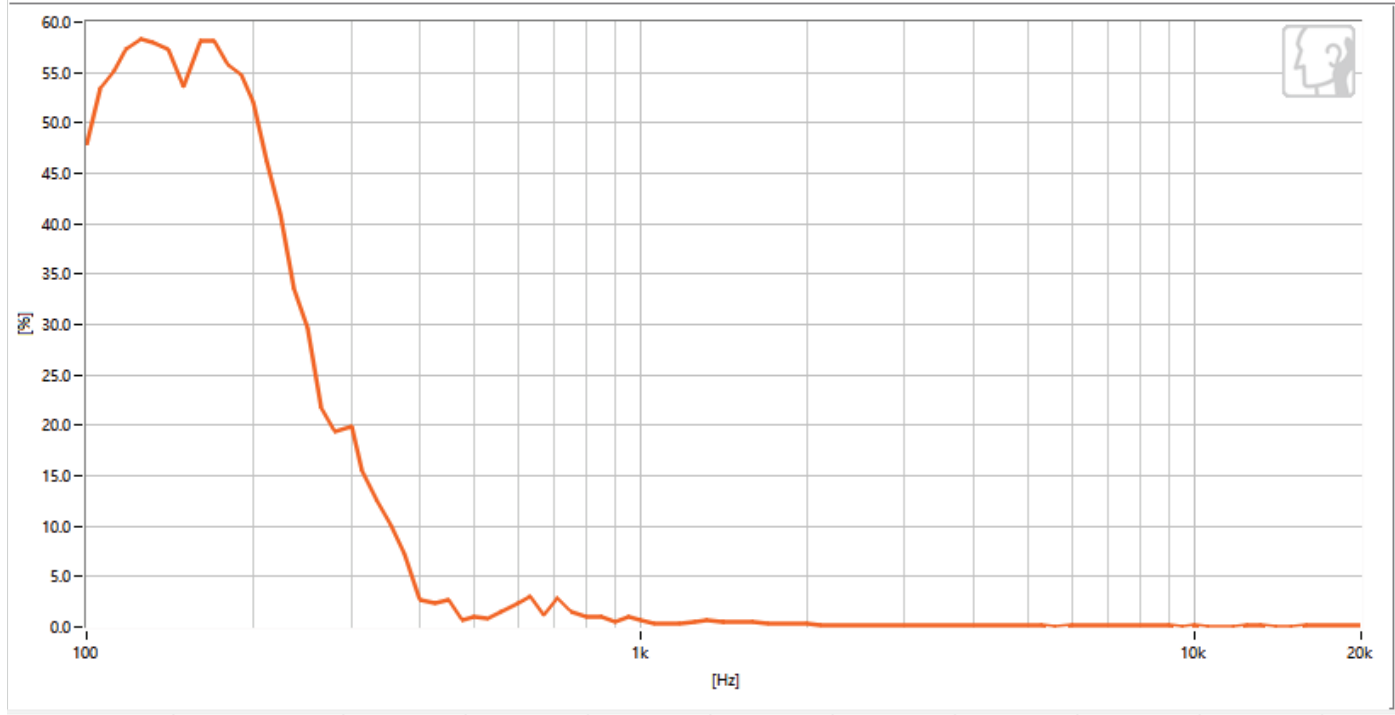
Frequency Response Curve

Test Conditions: 3.0 W/0.1 m



Total Harmonic Distortion Curve

Test Conditions: 3.0 W/0.1 m



REVISION HISTORY

rev.	description	date
1.0	initial release	06/14/2024

The revision history provided is for informational purposes only and is believed to be accurate.



CUI Devices offers a one (1) year limited warranty. Complete warranty information is listed on our website.

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

cuidevices.com

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

[CUI Devices:](#)

[CMS-3118-38E](#)