CUDEVICES

MODEL: CLS0231MP-1 | **DESCRIPTION:** SPEAKER

FEATURES

- 23 mm
- round frame
- 0.1 W
- 8 Ω
- neodymium magnet
- PET cone



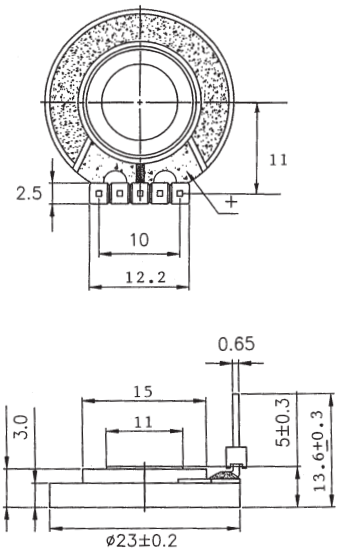
RoHS

SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power			0.1	0.2	W
impedance	at 1.5 kHz, 0.9 V	6.8	8	9.2	Ω
resonant frequency (Fo)	at 0.9 V	384	480	576	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 0.1 W, 50 cm, avg at 0.6, 0.8, 1.0, 1.2 kHz	69	72	75	dB
buzz, rattle, etc.	must be normal at sine wave			0.9	V
dimensions	Ø23 x 4.7				mm
magnet	Nd-Fe-B				
cone material	PET				
terminal	solder pins/posts				
weight			3.2		g
operating temperature		-25		60	°C
RoHS	yes				

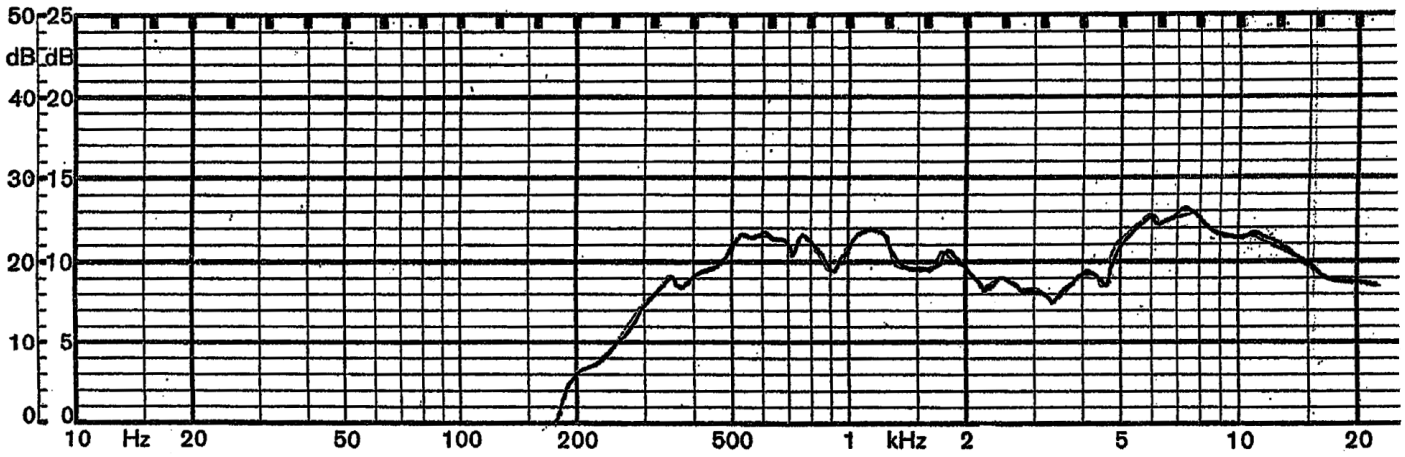
MECHANICAL DRAWING

units: mm
tolerance: ±0.3 mm



FREQUENCY RESPONSE CURVE

parameter	conditions/description
potentiometer range	50 dB
rectifier	RMS
lower limit frequency	20 Hz
wr. speed	100 mm/sec
zero level	50 dB



REVISION HISTORY

rev.	description	date
1.0	initial release	07/03/2007
1.01	dimension updates	09/29/2009
1.02	dimension updates	04/13/2010
1.03	applied new spec template, corrected sound pressure level	09/30/2013
1.04	brand update	07/01/2020
1.05	logo, datasheet style update	08/05/2022

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.

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