

**MODEL:** CLS0231MA-1-L152 | **DESCRIPTION:** SPEAKER**FEATURES**

- 23 mm
- round frame
- 0.5 W
- 8  $\Omega$
- neodymium magnet
- mylar cone
- wire leads

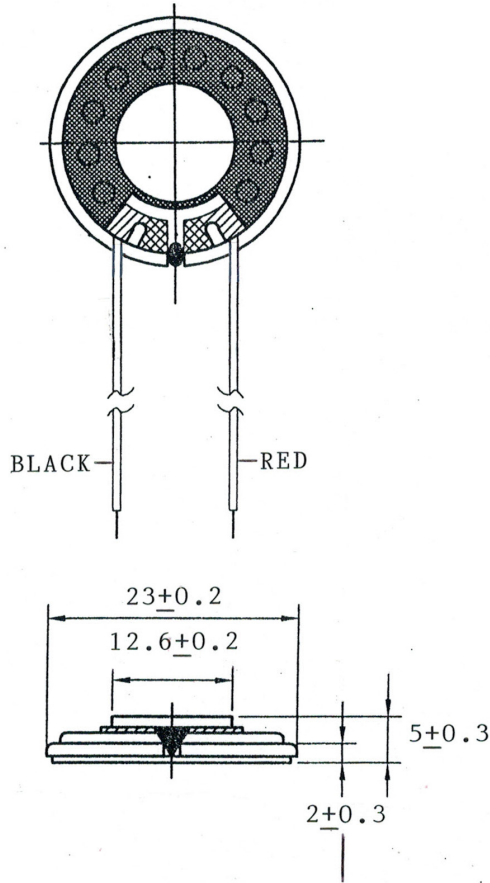
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power			0.5	1.0	W
impedance	at 1.0 kHz, 1.0 V	6.8	8	9.2	$\Omega$
resonant frequency (Fo)	at 1.0 V	536	670	804	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 1.0 W, 50 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	86	89	92	dB
buzz, rattle, etc.	must be normal at sine wave			2.0	V
dimensions	$\varnothing$ 23 x 5				mm
magnet	Nd-Fe-B				
cone material	mylar				
terminal	wire leads				
weight			4.4		g
operating temperature		-25		60	$^{\circ}$ C
hand soldering	for maximum 3 seconds	340	350	360	$^{\circ}$ C
RoHS	yes				

## MECHANICAL DRAWING

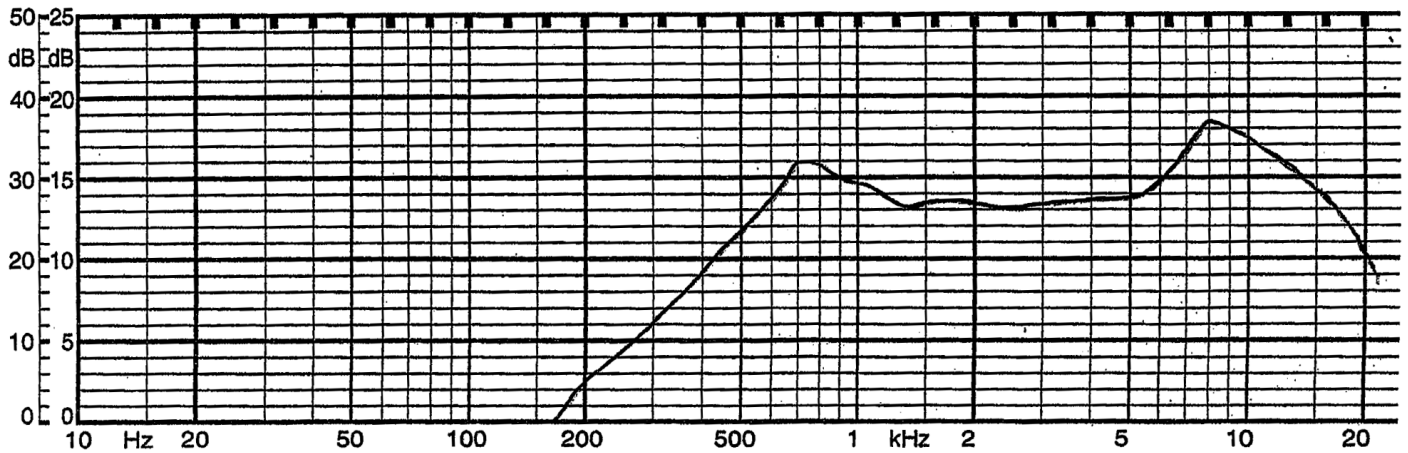
units: mm

wire: UL1007 28 AWG  
wire length: 152 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	60 dB



## REVISION HISTORY

---

rev.	description	date
1.0	initial release	07/03/2007
1.01	updated datasheet	02/01/2010
1.02	brand update	06/12/2020

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

---

# CUI DEVICES

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.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Speakers & Transducers](#) category:*

*Click to view products by [CUI Devices](#) manufacturer:*

Other Similar products are found below :

[FC-30814-P127](#) [AS02832MR-2-R](#) [PB-1220PE](#) [PB-2015PQ](#) [900-00001](#) [AB2025B-LW50-R](#) [SWFK-31736-000](#) [PT-2065FW](#) [PT-4175W](#) [AT-2830-TW-LW35-R](#) [ED-30761-000](#) [CI-30120-A42](#) [SMT-0440-T-2-R](#) [PB-0927PQ](#) [BF-7083-000](#) [SMS2020-08H4.5 LF](#) [BDT1717-08H6.5W56MLF](#) [GSPK1003PN-8R0.2W-L100](#) [GSPK151103TN-8R0.2W](#) [GSPK2014035PN-8R0.5W-L100](#) [AS03608MR-LW100-R](#) [24520](#) [SMT-0540-S-2-R](#) [1450069](#) [9091653](#) [9091661](#) [IPS-G6000-5](#) [9090231](#) [FS50MS0820-H9.7](#) [FS4014-4-2W](#) [PBM4-13.B29R.A115.0663](#) [PBM4-13.B31R.A115.0663](#) [PBM4-13.B33R.A115.0663](#) [PBM4-13.B35R.A115.0663](#) [A-10-6-BG360-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG410-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG410-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG410-HD1Z-FC-AGZ-ZW](#) [A-10-6-BG410-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG310-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG310-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG310-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG316-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG325-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG325-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG340-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG340-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG340-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG360-GT1Z-AA-M4Z-ZW](#) [A-10-6-BG360-HD1Z-AA-AGZ-ZW](#)