

MODEL: CLS0231MA3E-L152 | **DESCRIPTION:** SPEAKER**FEATURES**

- 23 mm
- round frame
- 0.2 W
- 32 Ω
- neodymium magnet
- mylar cone
- wire leads

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power			0.2	0.4	W
impedance	at 1.0 kHz, 1.0 V	27.2	32	36.8	Ω
resonant frequency (Fo)	at 1.0 V	544	680	816	Hz
frequency response		Fo		7,000	Hz
sound pressure level	at 0.2 W, 50 cm, avg at 1.0, 1.2, 1.5, 2.0 kHz	81	84	87	dB
buzz, rattle, etc.	must be normal at sine wave			2.53	V
dimensions	$\varnothing 23 \times 3.6$				mm
magnet	Nd-Fe-B				
cone material	mylar				
terminal	wire leads				
weight			3.6		g
operating temperature		-25		60	$^{\circ}\text{C}$
hand soldering	for maximum 3 seconds	340	350	360	$^{\circ}\text{C}$
RoHS	yes				



REVISION HISTORY

rev.	description	date
1.0	initial release	07/03/2007
1.01	added mounting hole dimension	01/31/2008
1.02	brand update	07/01/2020

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

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