

**MODEL:** CLS0451M-L152 | **DESCRIPTION:** SPEAKER**FEATURES**

- 45 mm round frame
- 8  $\Omega$  impedance
- rated 0.2 W
- neodymium magnet
- PET cone
- wire leads

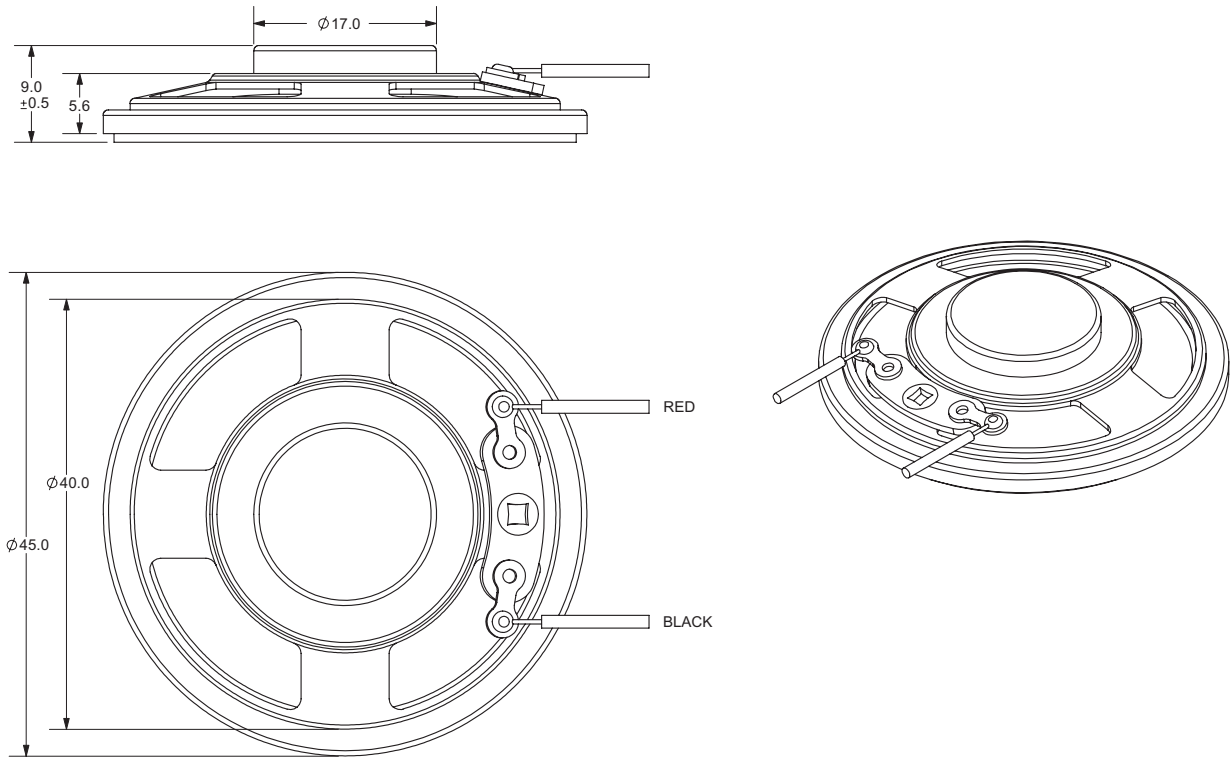
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power			0.2	0.5	W
impedance	at 1.0 kHz, 1.0 V	6.8	8	9.2	$\Omega$
resonant frequency [Fo]	at 1.0 V	456	570	684	Hz
frequency response		Fo		8,000	Hz
sound pressure level	at 0.2 W, 50 cm, avg at 1.0, 1.4, 1.7, 2.0 kHz	81	84	87	dB
buzz, rattle, etc.	must be normal at sine wave, frequency range			1.26	V
dimensions	$\varnothing 45 \times 9$				mm
magnet	Nd-Fe-B				
cone material	PET				
terminal	wire leads				
weight			12.5		g
operating temperature		-25		60	$^{\circ}\text{C}$
hand soldering	for maximum 3 seconds	360	380	400	$^{\circ}\text{C}$
RoHS	yes				

MECHANICAL DRAWING

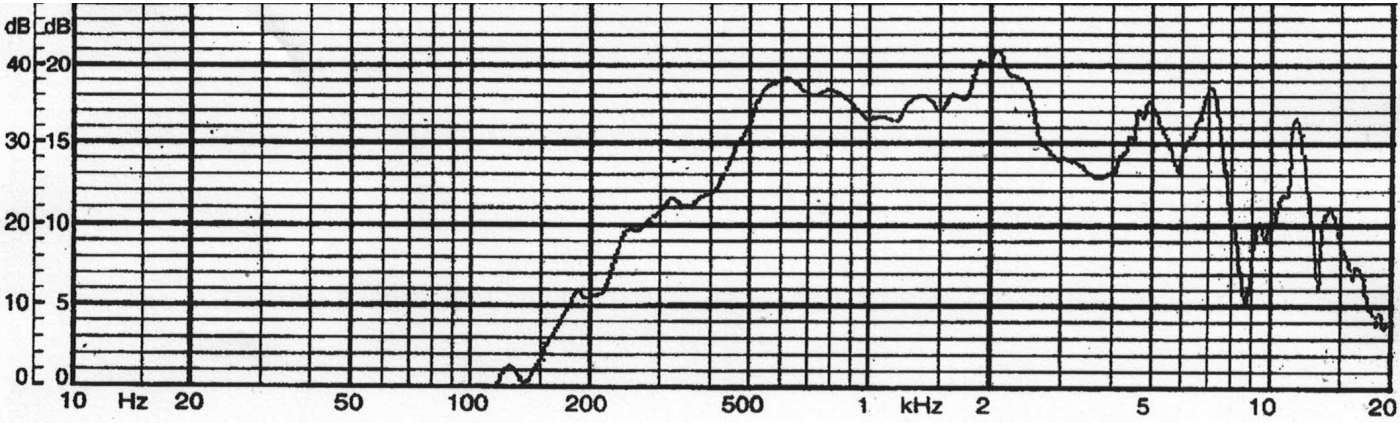
units: mm  
tolerance: ±0.5 mm

wire: UL1007 28 AWG  
length: 152 mm



FREQUENCY RESPONSE CURVE

parameter	conditions/description
potentiometer range	50 dB
rectifier	RMS
lower limit frequency	20 Hz
zero level	50 dB



## REVISION HISTORY

rev.	description	date
1.0	initial release	07/03/2007
1.01	brand update	01/28/2021
1.02	logo, datasheet style update	08/05/2022

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



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