

**MODEL:** GC0302M | **DESCRIPTION:** SPEAKER

**FEATURES**

- 30 mm
- round Frame
- rated 0.03 W
- 32  $\Omega$  impedance
- neodymium magnet
- PET cone

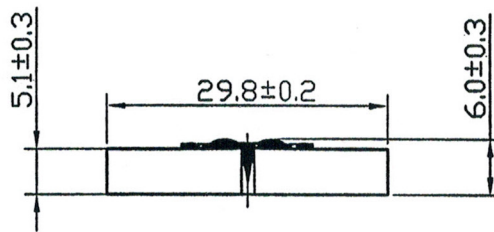
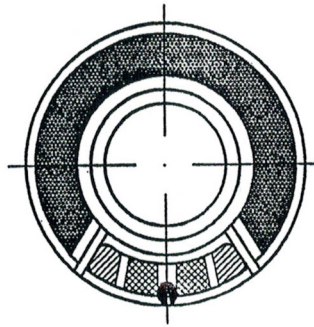

**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power			0.03	0.15	W
impedance	at 1.0 KHz, 1.0 V	27.2	32	36.8	$\Omega$
resonant frequency (Fo)	at 1.0 V	176	220	264	Hz
frequency response		Fo		3,000	Hz
sound pressure level	at 1 mW, 1 cm, avg at 0.8, 1.0, 1.2, 1.5 kHz	117	120	123	dB
buzz, rattle, etc.	must be normal at sine wave		0.98		V
dimensions	$\varnothing 29.8 \times 6.0$				mm
magnet	Nd-Fe-B				
cone material	PET				
terminal	solder pads				
weight			5.8		g
operating temperature		-25		50	$^{\circ}\text{C}$
hand soldering	for maximum 3 seconds	340	350	360	$^{\circ}\text{C}$
RoHS	yes				

Notes: 1. All specifications measured at 15-35 $^{\circ}\text{C}$ , humidity at 25-75%, under 86-106 kPa pressure, unless otherwise noted.

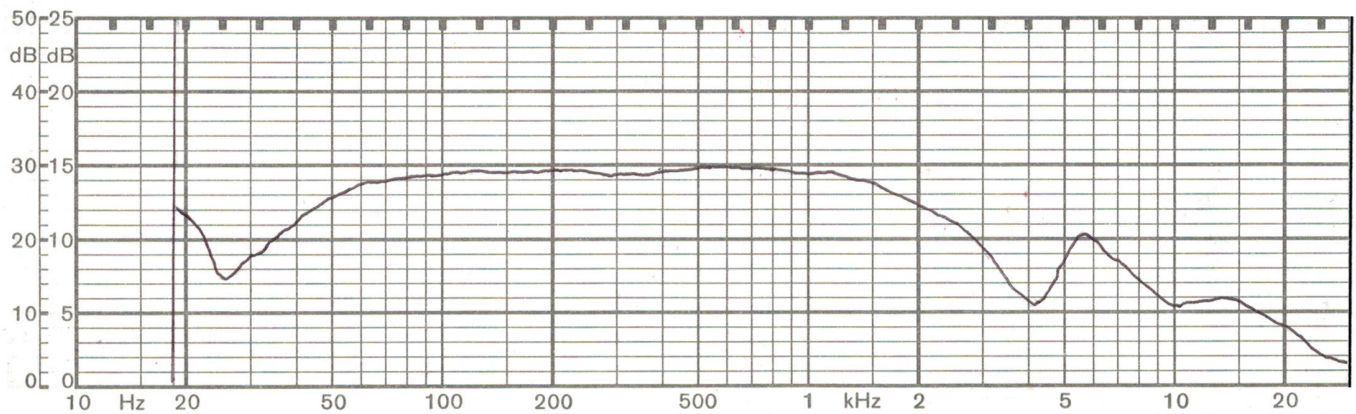
## MECHANICAL DRAWING

units: mm  
tolerance:  $\pm 0.2$  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	90 dB



## REVISION HISTORY

rev.	description	date
1.0	initial release	07/08/2002
1.01	brand update	02/17/2020
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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