



Part No: CLS0301MA

Date: 7/03/2007

Unit: mm

Description: speaker

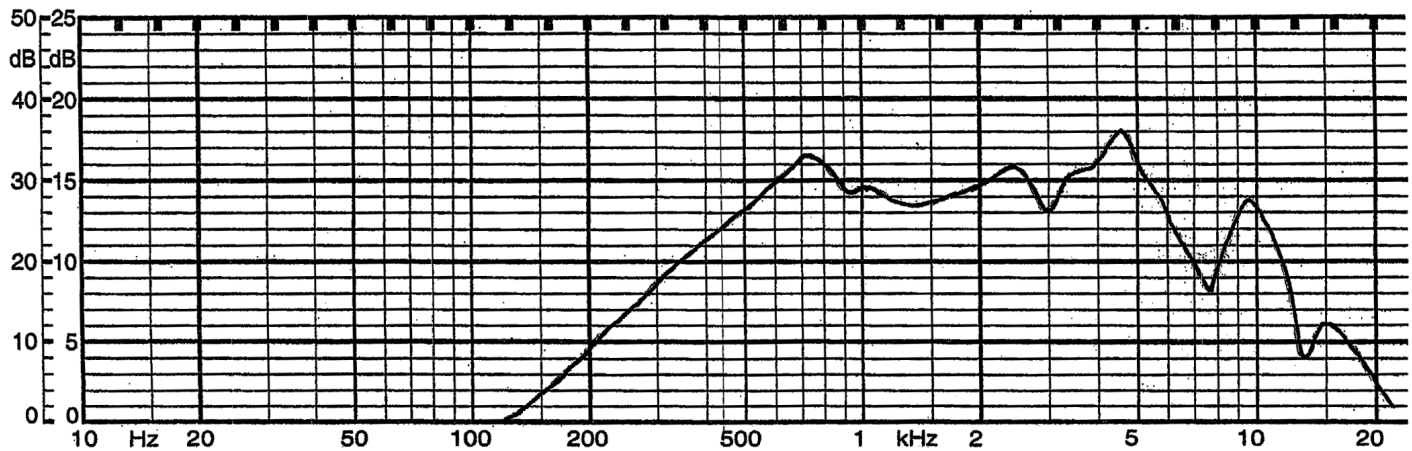
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### Specifications

Nominal Size	30 mm		
Impedance	8 Ohm $\pm$ 15%	at	1 KHz 1 V
Resonant frequency	550 Hz $\pm$ 110 Hz	at	1 V
Sound pressure level	89 dB/w $\pm$ 3 dB	1 w 50 cm ave. at	0.8K, 1K, 1.2K, 1.5K Hz
Response	Fo Hz ~ 13 KHz max 10 dB		
Input power	Nominal 0.2 W	Handling capacity	0.4 W
Operation	must be normal at program source 0.2 W		
Buzz, rattle, etc.	must be normal at sine wave 1.26 V		
Magnet	Size: 12.5 x 1.0 mm		
Load test	White noise 0.2 W	for	24 hours
Heat test	70 $\pm$ 2° C	20-50% R.H.	24 hours
Humidity test	40 $\pm$ 2° C	90-95% R.H.	24 hours

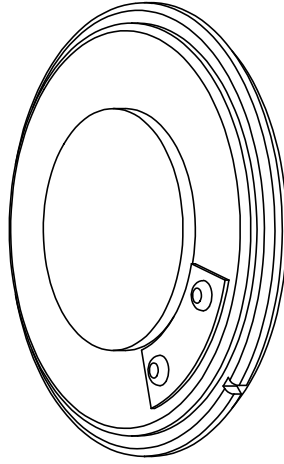
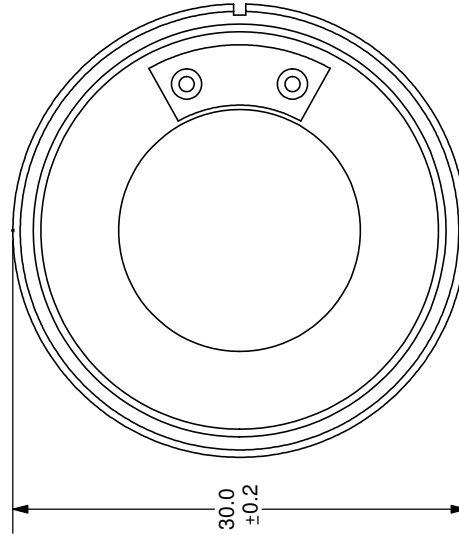
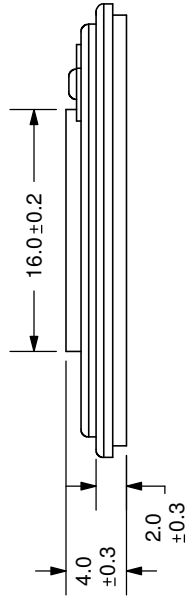
### Frequency Response Curve

Potentiometer range	50 dB
Rectifier	RMS
Lower limit frequency	20 Hz
Wr. speed	100 mm/sec



Zero level 60 dB

REV.	DESCRIPTION	DATE
A	NEW DRAWING	7/3/2007



TOLERANCE:  
±0.5mm UNLESS OTHERWISE  
SPECIFIED



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TITLE: LOW PROFILE SPEAKER REV: A

PART NO: CLS0301MA UNITS: MM [INCHES]

DRAWN BY: ZRJ APPROVED BY: SCALE: 2:1