

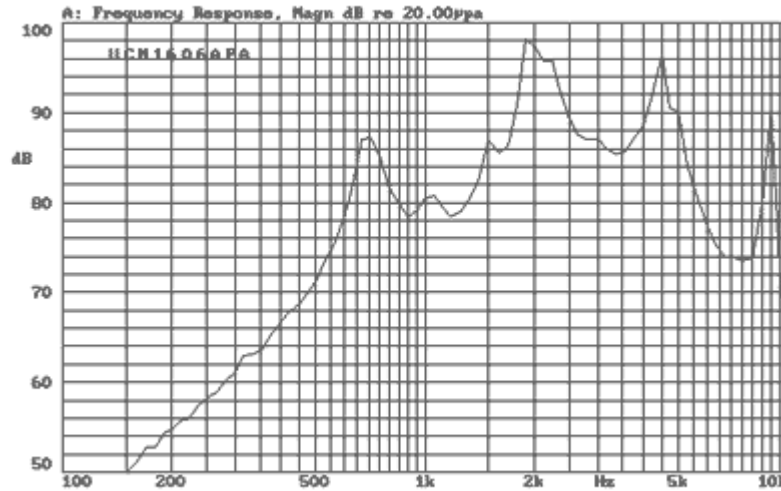


UCM1601APA

Type	Unit	UCM1601APA
Rated Voltage	V	1.5
Operating Voltage	V	1-3
*Rated Current(MAX)	mA	18
*Min Sound Output at 10 cm	dB	80
Coil Resistance	$\Omega$	27 $\pm$ 3
*Resonant Frequency	Hz	2048
Operating Temperature	$^{\circ}$ C	-20 - +70
Storage Temperature	$^{\circ}$ C	-30 - +80
Housing Material		NORYL
Weight	g	2

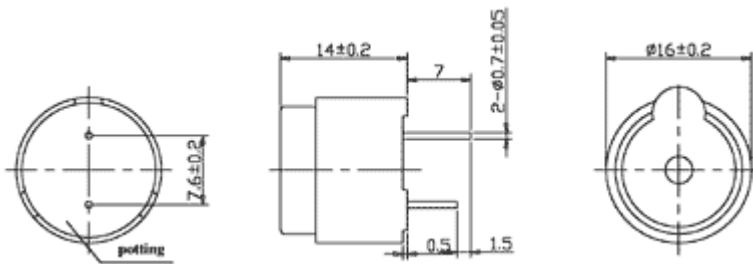
\*Value Applying at Rated Voltage (resonant frequency, 1/2 duty, square wave)

**FREQUENCY RESPONSE:**



**DIMENSIONS:**

UNIT:mm  
Tolerance: $\pm$ 0.5mm  
Wave Solderable and Washable



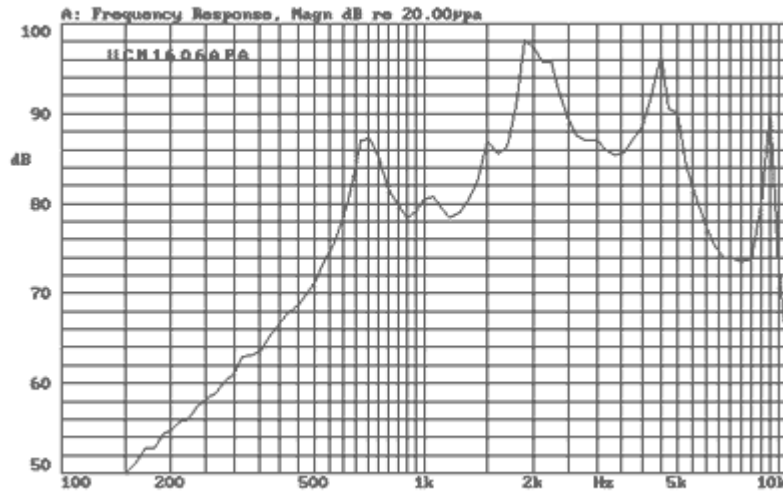


UCM1606APA

Type	Unit	UCM1606APA
Rated Voltage	V	6
Operating Voltage	V	4-8
*Rated Current(MAX)	mA	40
*Min Sound Output at 10 cm	dB	85
Coil Resistance	$\Omega$	50 $\pm$ 5
*Resonant Frequency	Hz	2048
Operating Temperature	$^{\circ}$ C	-20 - +70
Storage Temperature	$^{\circ}$ C	-30 - +80
Housing Material		NORYL
Weight	g	2

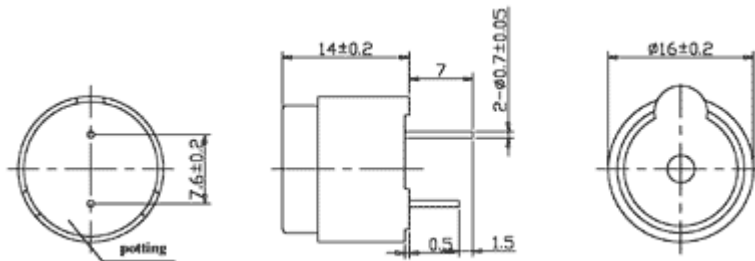
\*Value Applying at Rated Voltage (resonant frequency, 1/2 duty, square wave)

### FREQUENCY RESPONSE:



### DIMENSIONS:

UNIT:mm  
 Tolerance:  $\pm$ 0.5mm  
 Wave Solderable and Washable



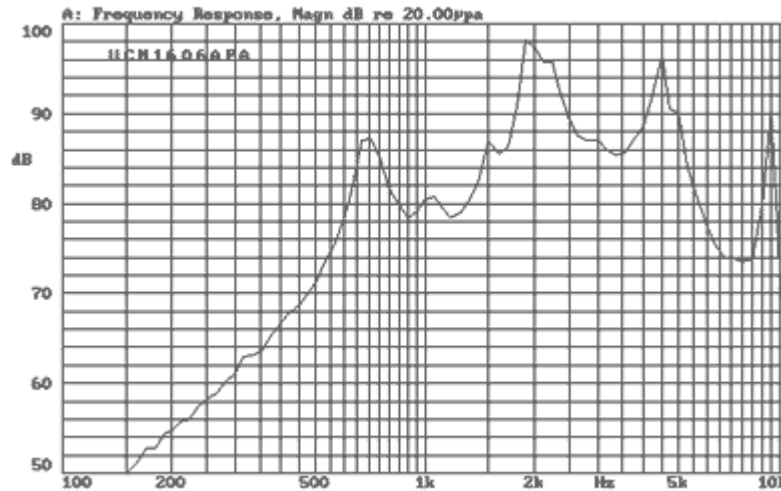


UCM1612APA

Type	Unit	UCM1612APA
Rated Voltage	V	12
Operating Voltage	V	9-15
*Rated Current(MAX)	mA	40
*Min Sound Output at 10 cm	dB	85
Coil Resistance	$\Omega$	115±12
*Resonant Frequency	Hz	2048
Operating Temperature	°C	-20 - +70
Storage Temperature	°C	-30 - +80
Housing Material		NORYL
Weight	g	2

\*Value Applying at Rated Voltage (resonant frequency, 1/2 duty, square wave)

**FREQUENCY RESPONSE:**



**DIMENSIONS:**

UNIT:mm  
Tolerance:±0.5mm  
Wave Solderable and Washable

