



**MODEL:** CMS-3648-038SP | **DESCRIPTION:** SPEAKER

FEATURES

- 8 ohm
- rated 0.3 W
- solder pads



SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
input power			0.3	0.5	W
impedance		6.8	8	9.2	$\Omega$
resonant frequency (Fo)		344	430	516	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 0.3 W, 50 cm, avg 0.8, 1.0, 1.2, 1.5 kHz	78	81	84	dB
distortion	at 1.0 kHz, 0.3 W, 50 cm			5	%
buzz, rattle, etc.	must be normal at sine wave, frequency range			1.55	V
polarity	cone moves forward w/ positive dc current to "+" terminal				
dimensions	$\varnothing 36 \times 4.8$				mm
magnet	Nd-Fe-B				
frame material	iron				
cone material	PEI				
terminal	solder pads				
weight			9.5		g
operating temperature		-20		55	$^{\circ}\text{C}$
storage temperature		-25		60	$^{\circ}\text{C}$
hand soldering	for maximum 2 seconds	360		380	$^{\circ}\text{C}$
RoHS	yes				

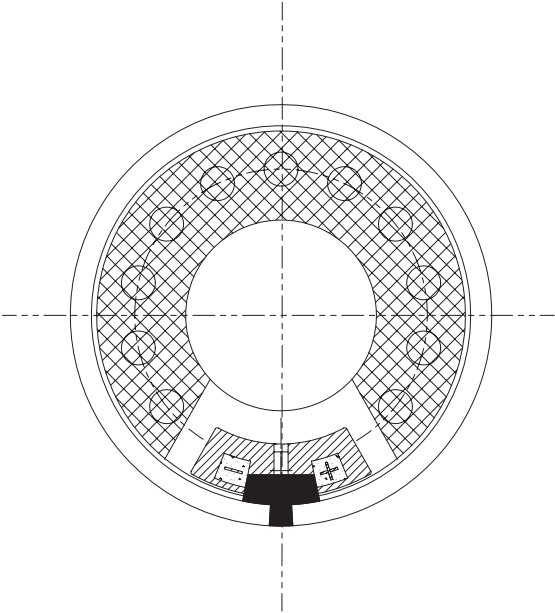
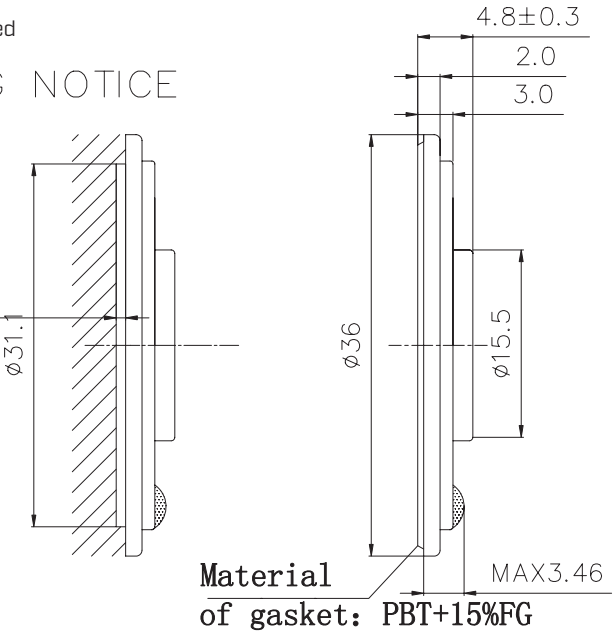
Notes: 1. All specifications measured at 15~35°C, humidity at 25~75%, unless otherwise noted.

**MECHANICAL DRAWING**

units: mm  
tolerance:  
X≤8: ±0.1 mm  
8<X≤16: ±0.15 mm  
16<X≤24: ±0.2 mm  
24<X≤50: ±0.25 mm  
unless otherwise specified

MOUNTING NOTICE

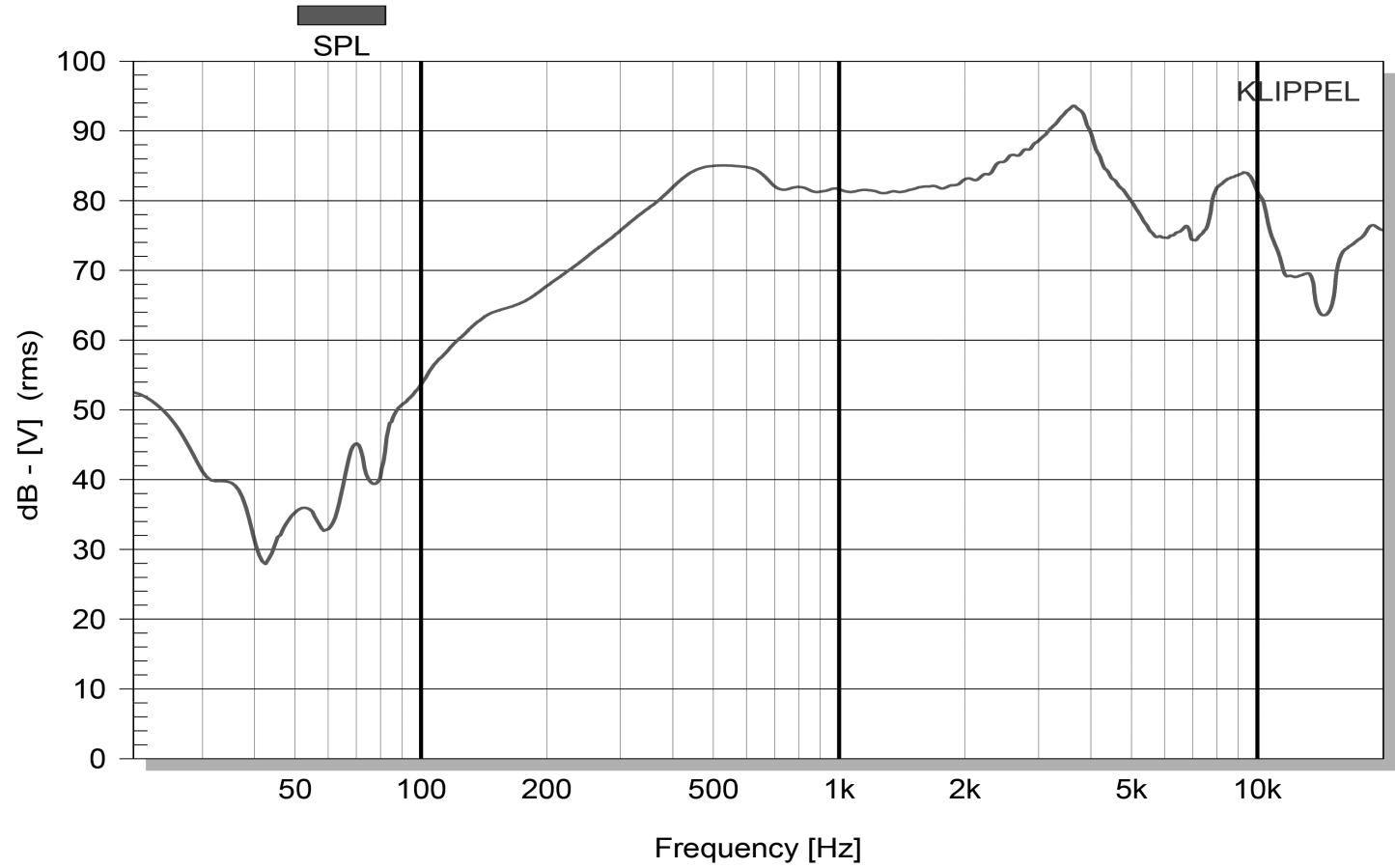
AT LEAST  
FOR 0.8MM  
DIAPHRAGM  
MOVING



RESPONSE CURVES

Frequency Response Curve

Test Conditions: 1.55 V / 50 cm



REVISION HISTORY

rev.	description	date
1.0	initial release	07/13/2023
1.01	CUI Devices rebranded to Same Sky	09/11/2024

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



Same Sky offers a one (1) year limited warranty. Complete warranty information is listed on our website.

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