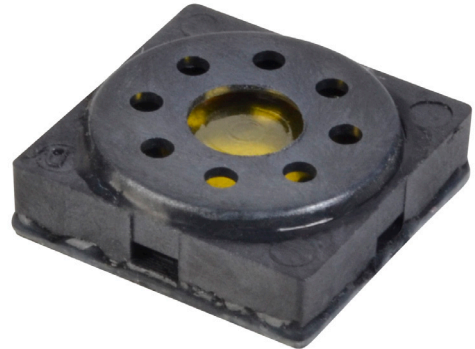


**MODEL:** CDS-15158-SMT | **DESCRIPTION:** SPEAKER**FEATURES**

- SMT (surface mount) speaker
- reflow solder capable
- compact size

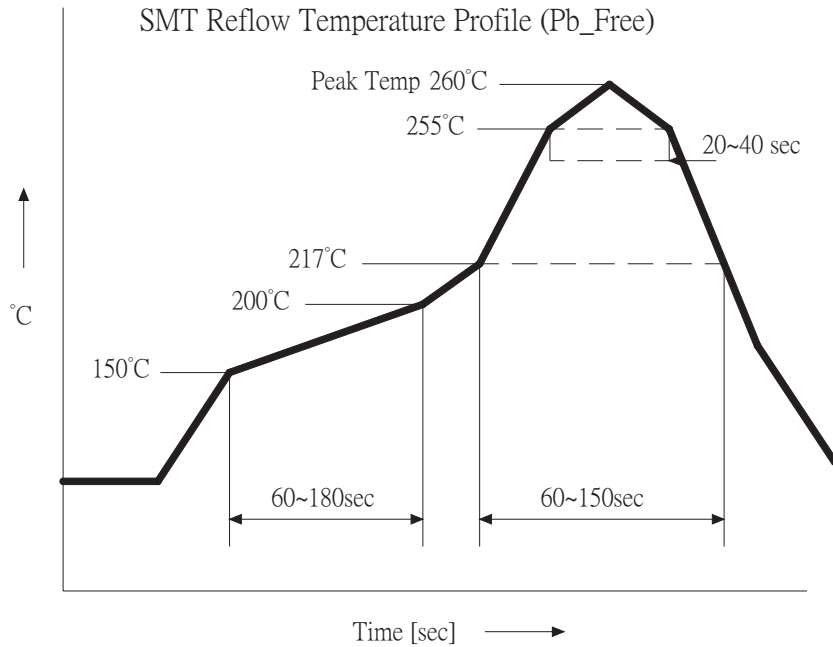
**SPECIFICATIONS**

parameter	conditions/description	min	typ	max	units
input power	maximum power: IEC-60268-5, filter 60s on/120s off, 10 cycles at room temp		0.3	0.5	W
impedance	at 1.0 kHz, 1.0 V	6.8	8	9.2	$\Omega$
resonant frequency (Fo)	at 1.0 V	680	850	1,020	Hz
frequency response		Fo		20,000	Hz
sound pressure level	at 0.3 W, 0.1 m ave, at 1.0, 1.2, 1.5, 2.0 kHz	84	87	90	dB
distortion	at 2.0 kHz, 0.3 W			5	%
buzz, rattle, etc.	must be normal at sine wave between Fo ~ 20 kHz		1.55		V
dimensions	15 x 15 x 5.0				mm
magnet	Sm <sub>2</sub> Co <sub>17</sub> , $\varnothing$ 8.0 x 1.0 mm				
material	LCP				
cone material	PET				
terminal	surface mount, Au plating				
weight			2.1		g
operating temperature		-40		85	$^{\circ}$ C
storage temperature		-40		85	$^{\circ}$ C
washable	yes				
RoHS	yes				

Notes: 1. All specifications measured at 5-35 $^{\circ}$ C, humidity at 45-85%, under 86-106kPa pressure, unless otherwise noted.  
2. Add suffix "-TR" to the model for tape and reel packaging.

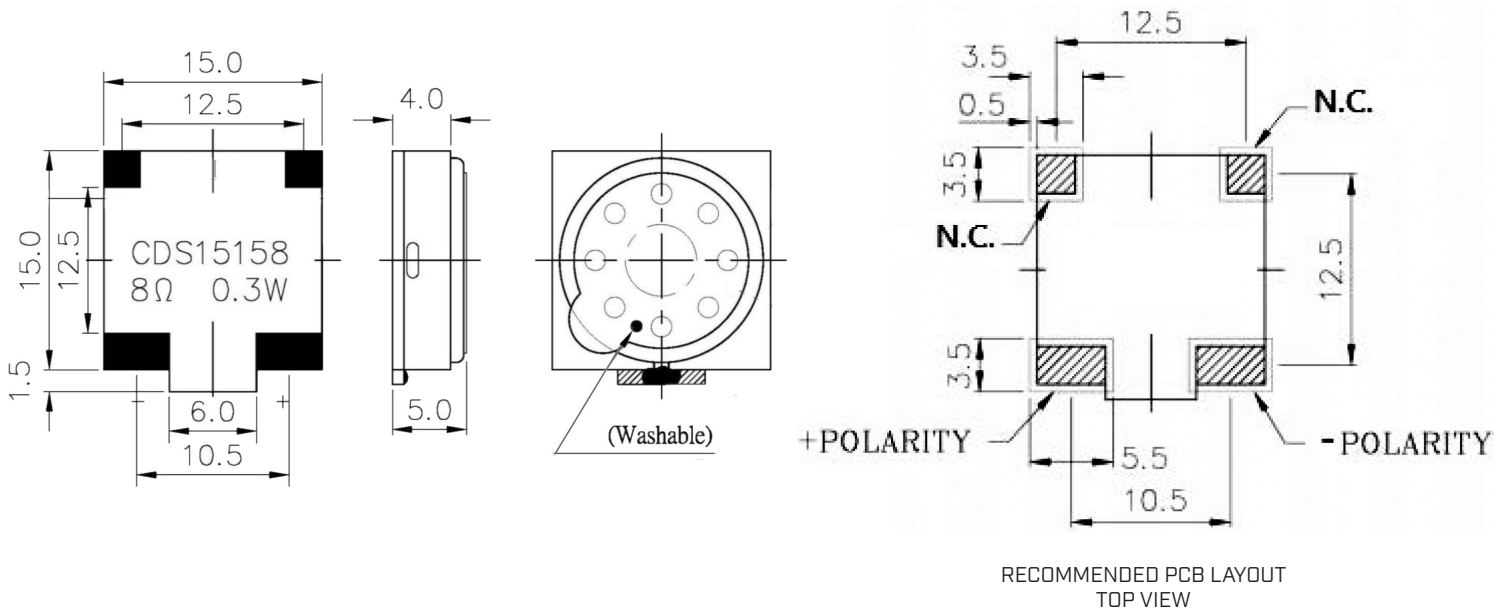
## SOLDERABILITY

parameter	conditions/description	min	typ	max	units
reflow soldering	see reflow profile			260	°C



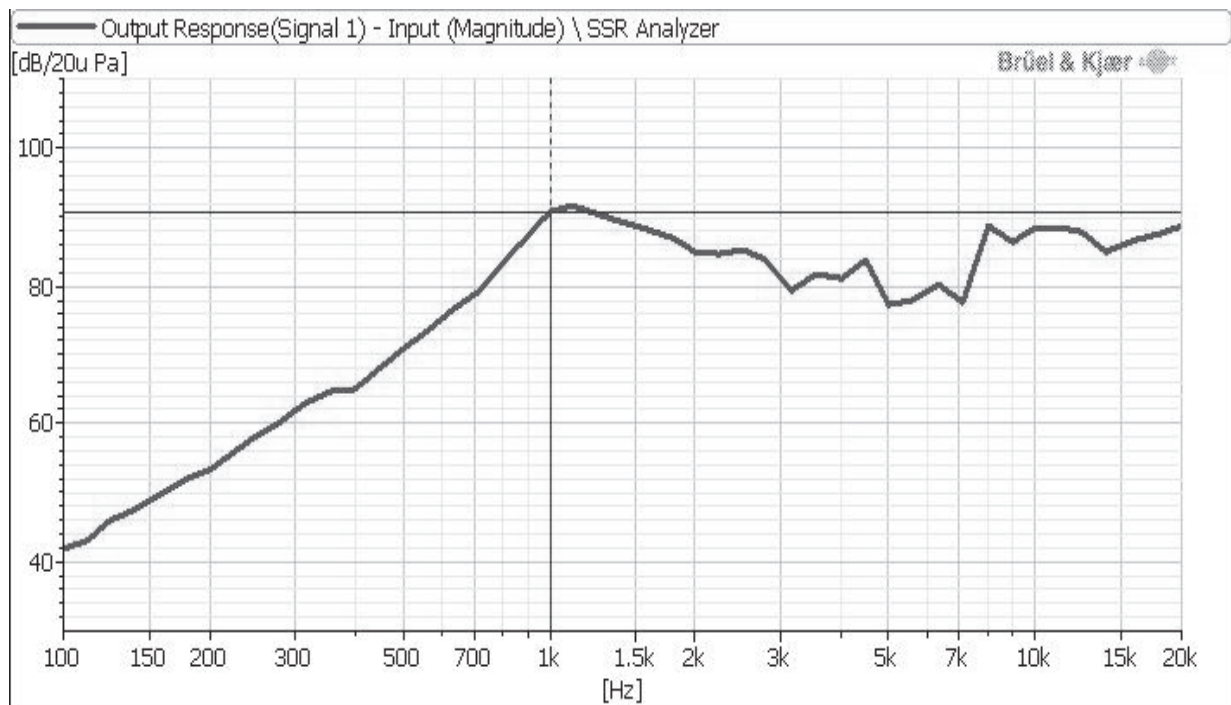
## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

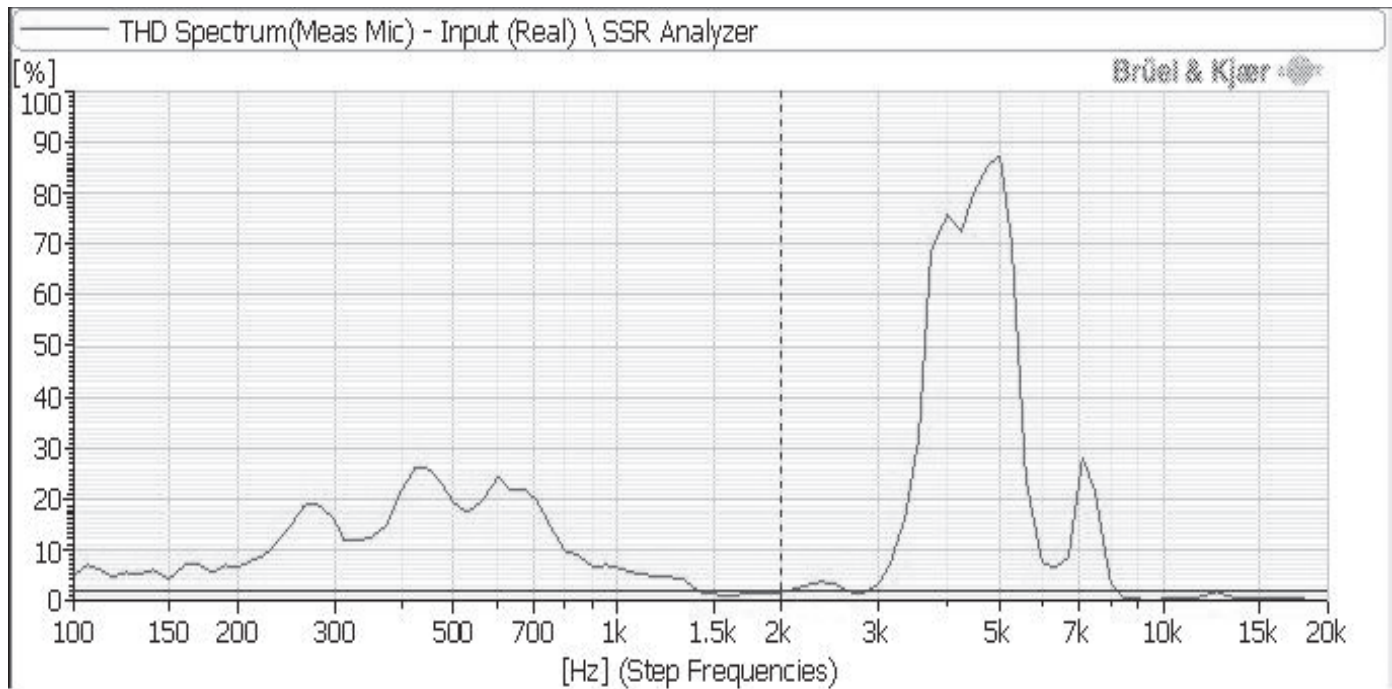


## RESPONSE CURVES

### Frequency Response Curve



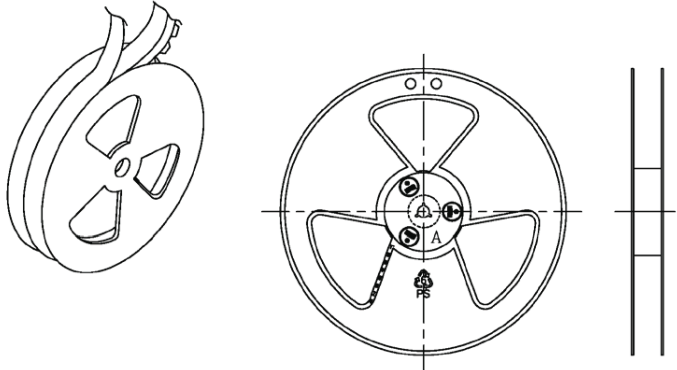
### Total Harmonic Distortion Curve



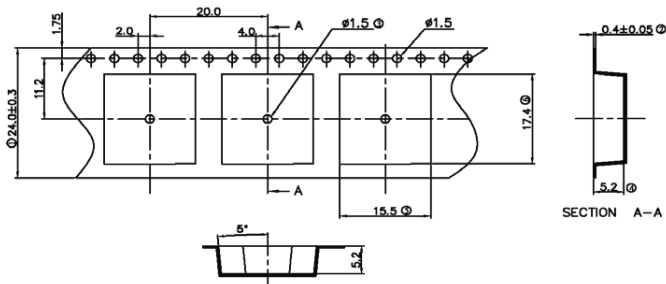
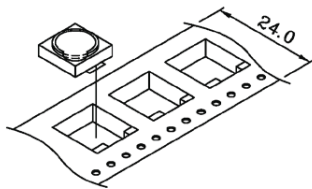
## PACKAGING

units: mm

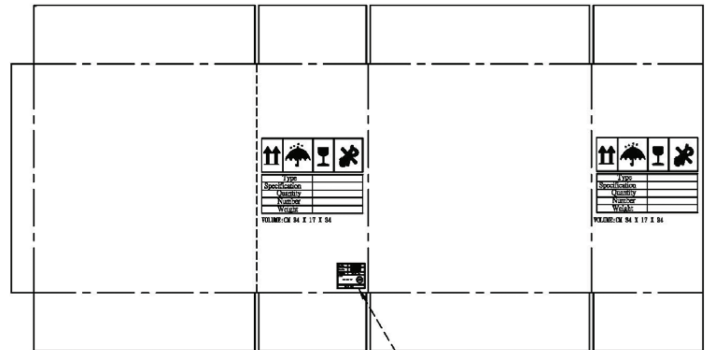
Reel Size: Ø330  
 Carton Size: 170 x 340 x 340 mm  
 Reel QTY: 600 pcs per reel  
 Carton QTY: 3,000 pcs per carton



1 Reel : 600PCS



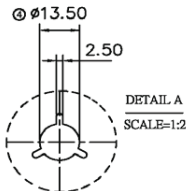
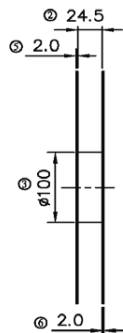
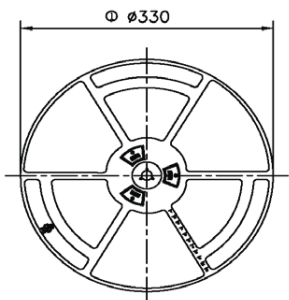
SECTION A-A



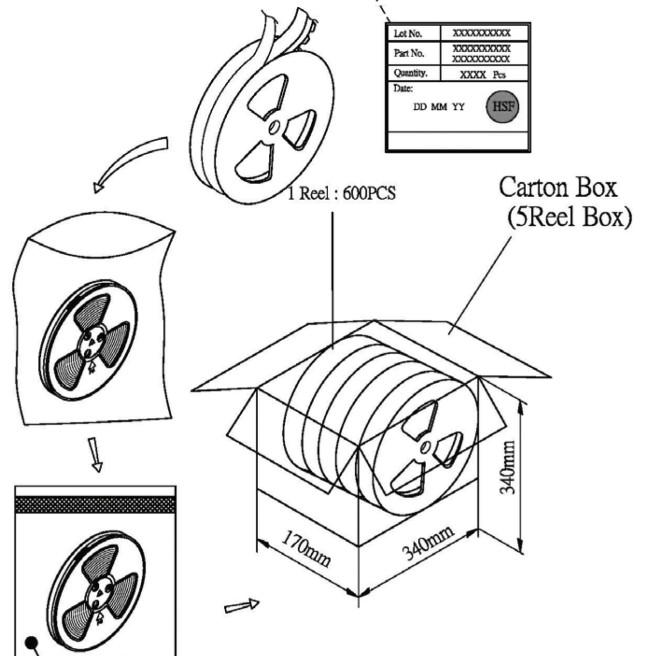
Lot No.	XXXXXXXXXX
Part No.	XXXXXXXXXX
Quantity	XXXXX Pcs
Date:	DD MM YY
	HSP

1 Reel : 600PCS

Carton Box (5Reel Box)



DETAIL A  
 SCALE=1:2



## REVISION HISTORY

rev.	description	date
1.0	initial release	03/12/2015
1.01	added packaging details	06/19/2017
1.02	brand update	01/20/2020
1.03	logo, datasheet style update	08/05/2022

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



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

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