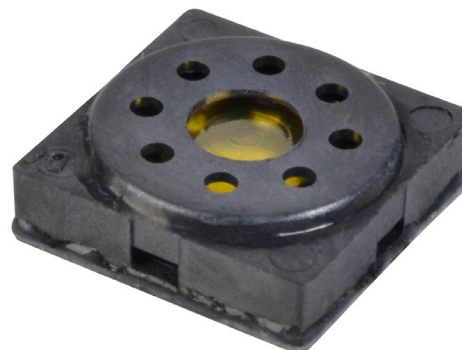


**MODEL:** CDS-15158-SMT | **DESCRIPTION:** SPEAKER**FEATURES**

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

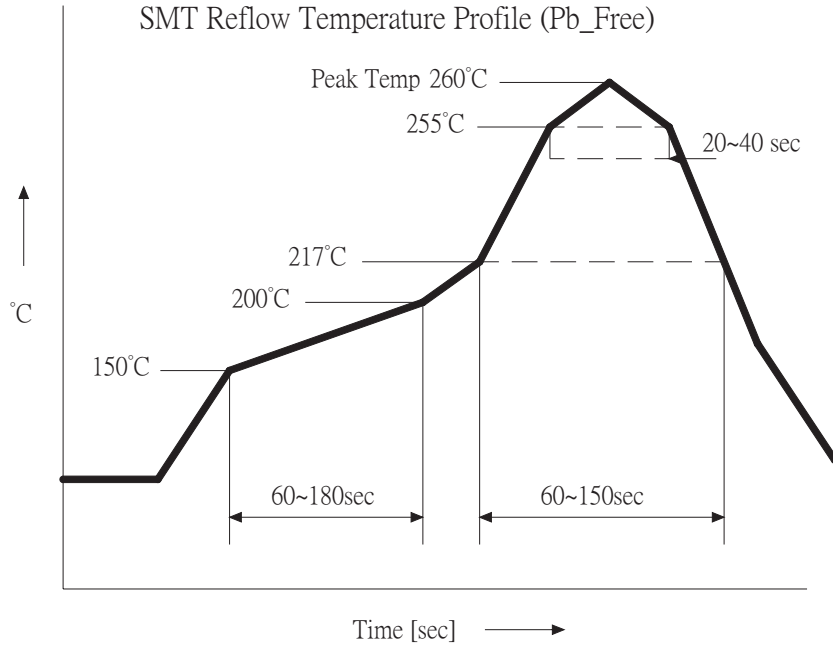
**SPECIFICATIONS**

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>17r</sub> , Ø8.0 x 1.0 mm				
material	LCP				
cone material	mylar				
terminal	surface mount, Au plating				
weight			2.1		g
operating temperature		-40		85	°C
storage temperature		-40		85	°C
washable	yes				
RoHS	yes				

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

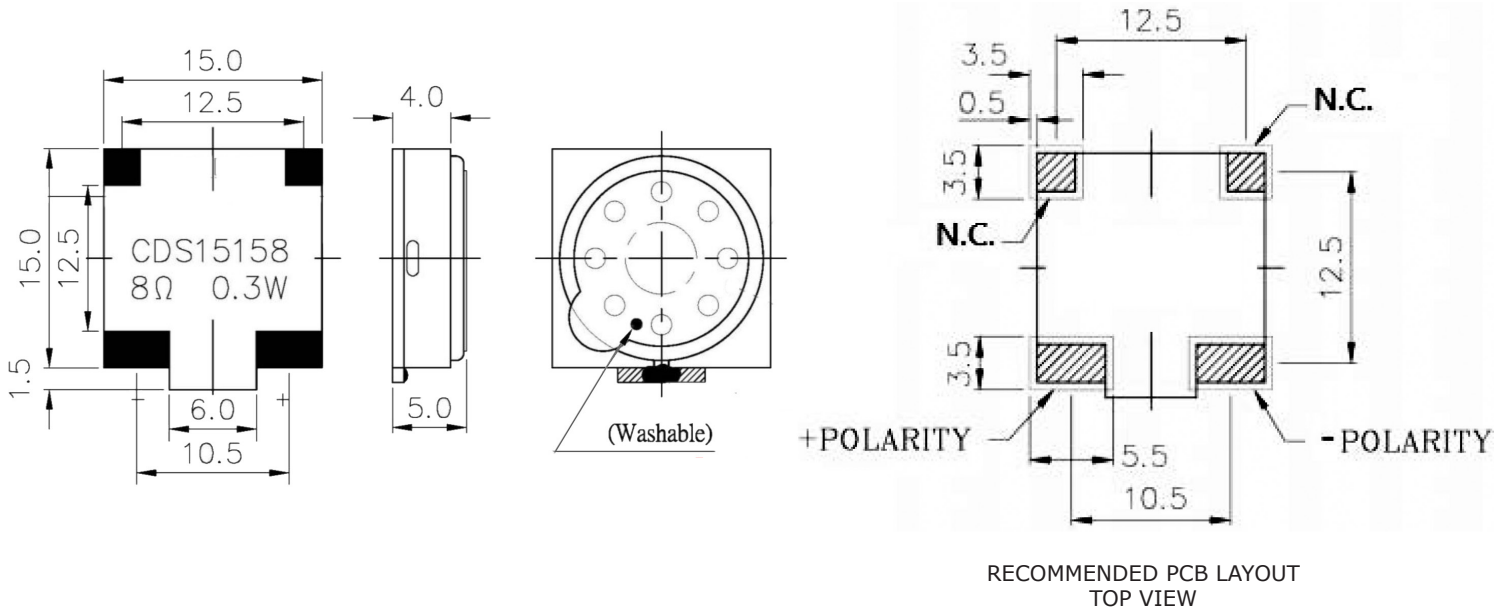
## SOLDERABILITY

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



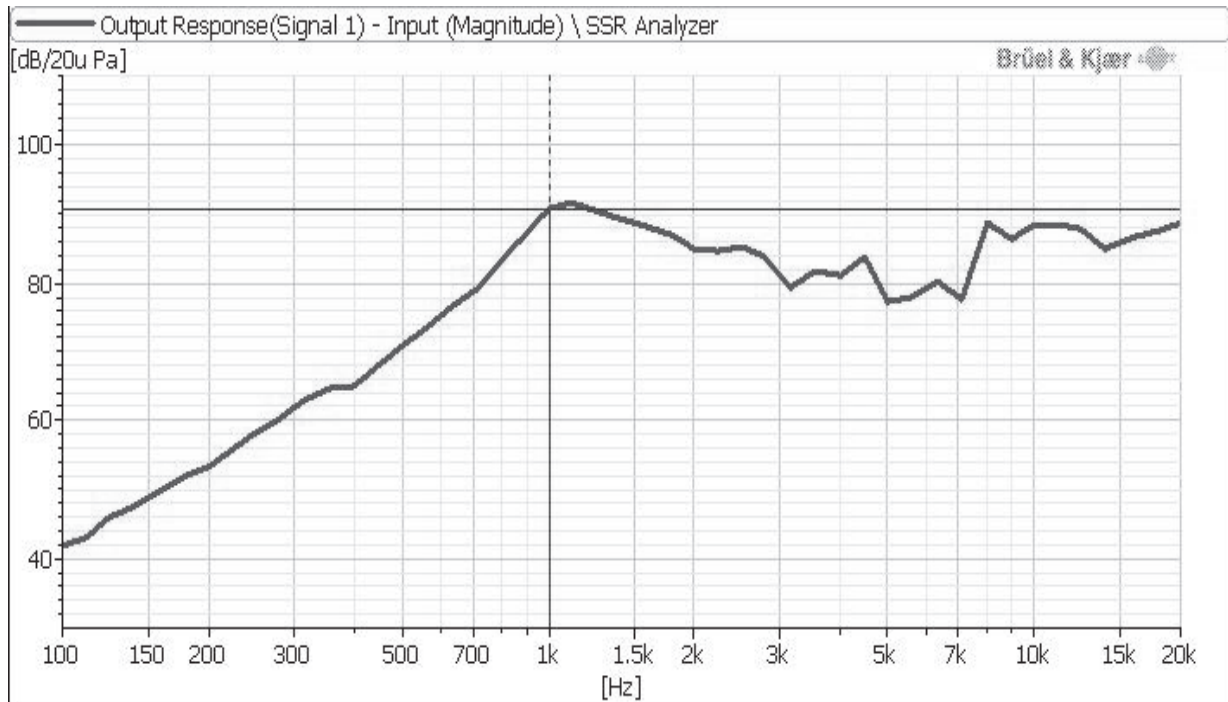
## MECHANICAL DRAWING

units: mm  
tolerance: ±0.5 mm

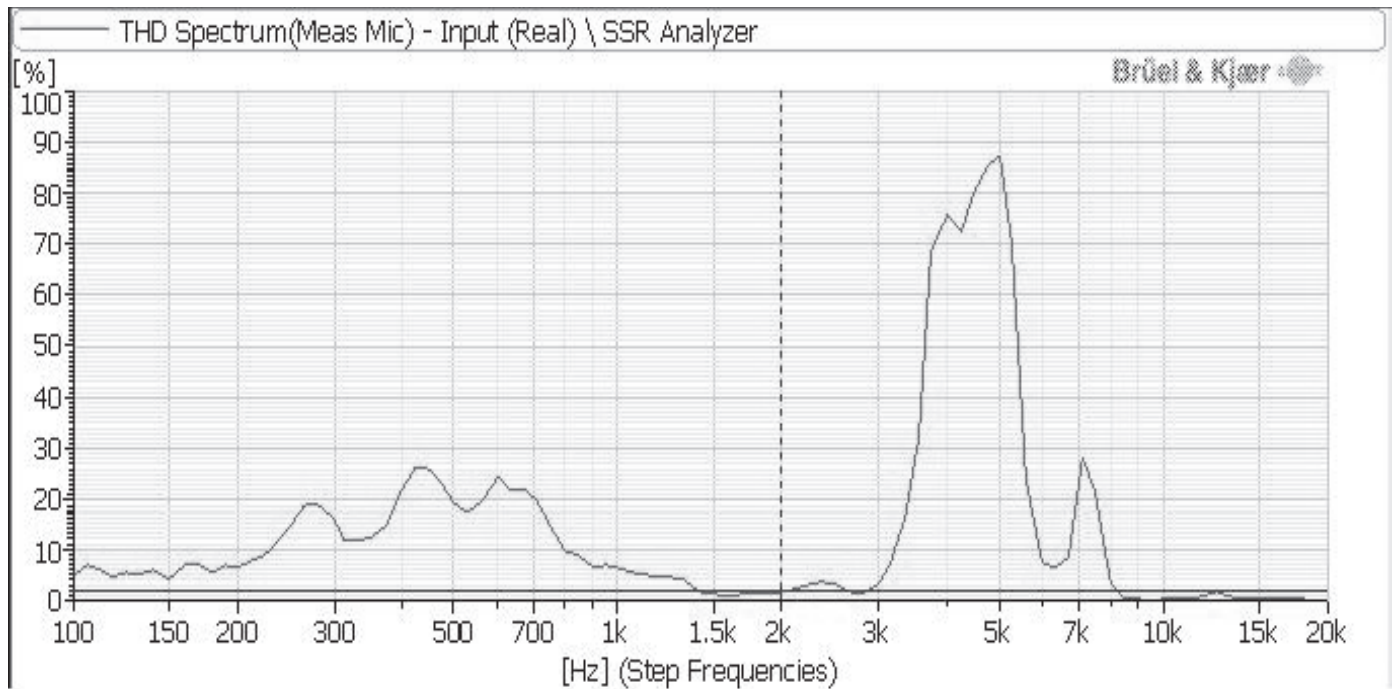


## RESPONSE CURVES

### Frequency Response Curve



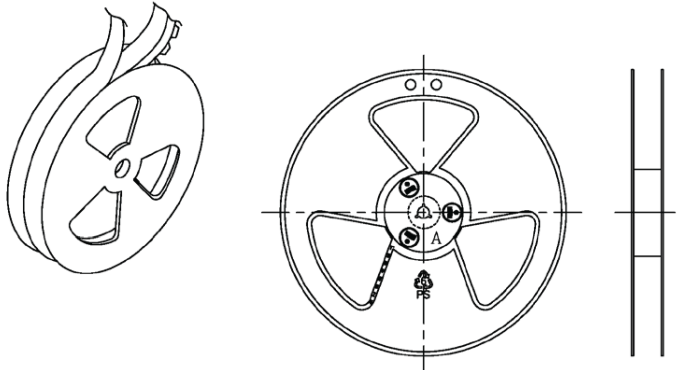
### Total Harmonic Distortion Curve



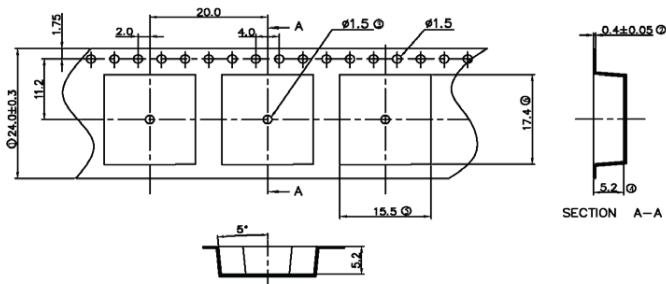
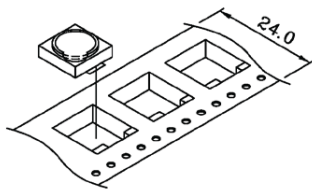
# PACKAGING

units: mm

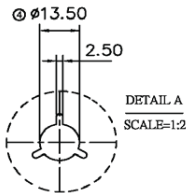
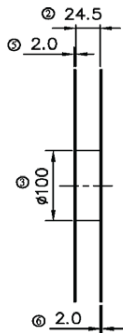
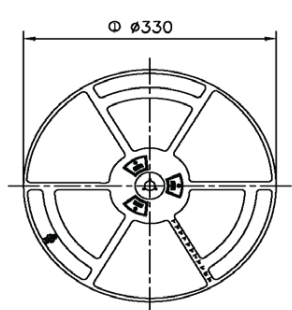
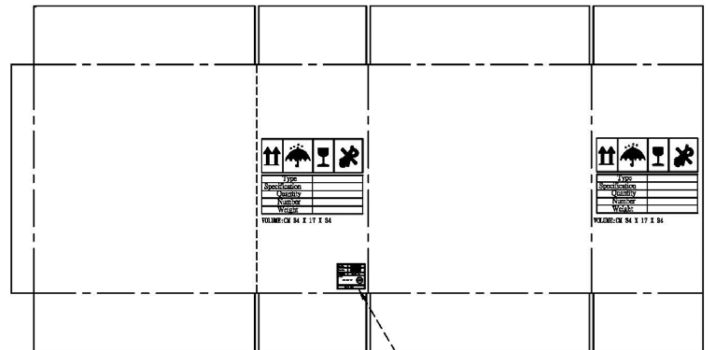
Reel Size: Ø330  
 Carton Size: 170 x 340 x 340 mm  
 Reel QTY: 600 pcs per reel  
 Carton QTY: 3,000 pcs per carton



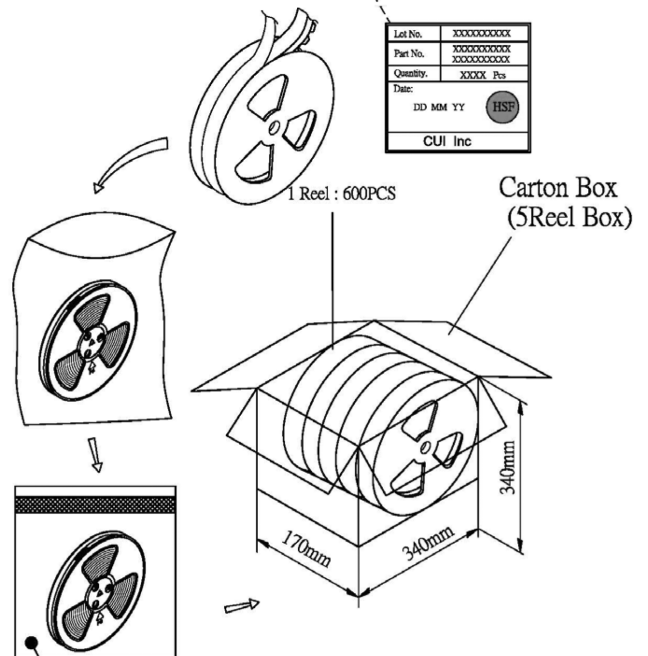
1 Reel : 600PCS



SECTION A-A



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

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

---

# CUI DEVICES

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

CUI Devices reserves the right to make changes to the product at any time without notice. Information provided by CUI Devices is believed to be accurate and reliable. However, no responsibility is assumed by CUI Devices for its use, nor for any infringements of patents or other rights of third parties which may result from its use.

CUI Devices products are not authorized or warranted for use as critical components in equipment that requires an extremely high level of reliability. A critical component is any component of a life support device or system whose failure to perform can be reasonably expected to cause the failure of the life support device or system, or to affect its safety or effectiveness.

## X-ON Electronics

Largest Supplier of Electrical and Electronic Components

*Click to view similar products for [Speakers & Transducers](#) category:*

*Click to view products by [CUI Devices](#) manufacturer:*

Other Similar products are found below :

[FC-30814-P127](#) [AS02832MR-2-R](#) [PB-1220PE](#) [PB-2015PQ](#) [900-00001](#) [AB2025B-LW50-R](#) [SWFK-31736-000](#) [PT-2065FW](#) [PT-4175W](#) [AT-2830-TW-LW35-R](#) [ED-30761-000](#) [CI-30120-A42](#) [SMT-0440-T-2-R](#) [PB-0927PQ](#) [BF-7083-000](#) [SMS2020-08H4.5 LF](#) [BDT1717-08H6.5W56MLF](#) [GSPK1003PN-8R0.2W-L100](#) [GSPK151103TN-8R0.2W](#) [GSPK2014035PN-8R0.5W-L100](#) [FS5353DS0830-H19.3](#) [TE082703-8](#) [XMLP040BD21F](#) [AS03608MR-LW100-R](#) [24520](#) [SMT-0540-S-2-R](#) [1450069](#) [9091653](#) [9091661](#) [IPS-G6000-5](#) [9090231](#) [FS4014-4-2W](#) [PBM4-13.B29R.A115.0663](#) [PBM4-13.B31R.A115.0663](#) [PBM4-13.B33R.A115.0663](#) [PBM4-13.B35R.A115.0663](#) [A-10-6-BG360-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG410-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG410-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG410-HD1Z-FC-AGZ-ZW](#) [A-10-6-BG410-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG310-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG310-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG310-HD1Z-GA-M4Z-ZW](#) [A-10-6-BG316-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG316-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG325-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG325-HD1Z-AA-M4Z-ZW](#) [A-10-6-BG340-HD1Z-AA-AGZ-ZW](#) [A-10-6-BG340-HD1Z-AA-M4Z-ZW](#)