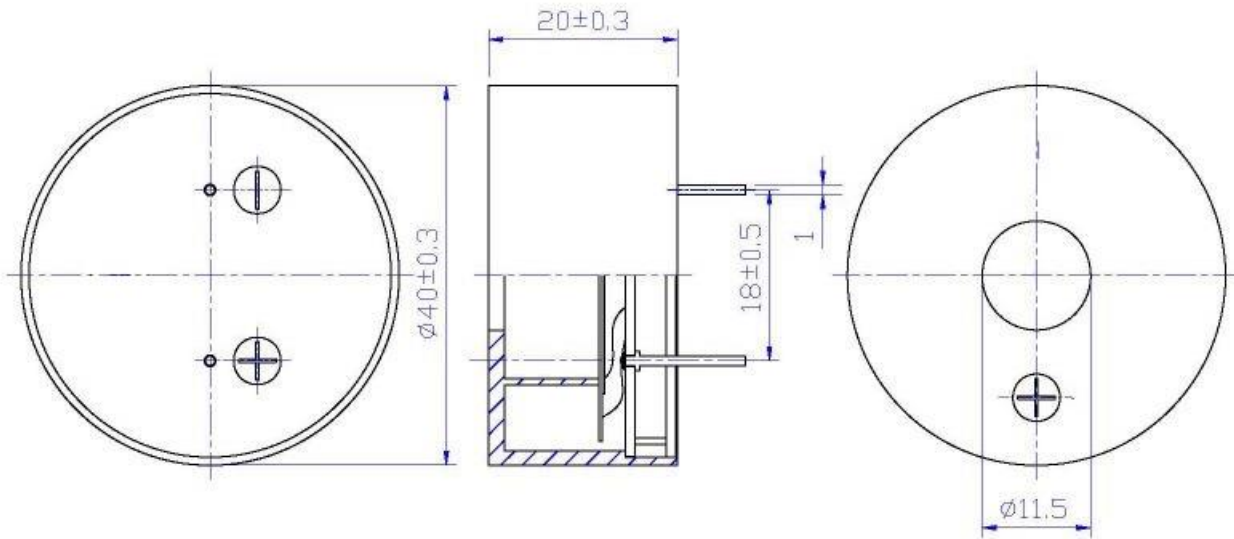




### Electrical Specifications

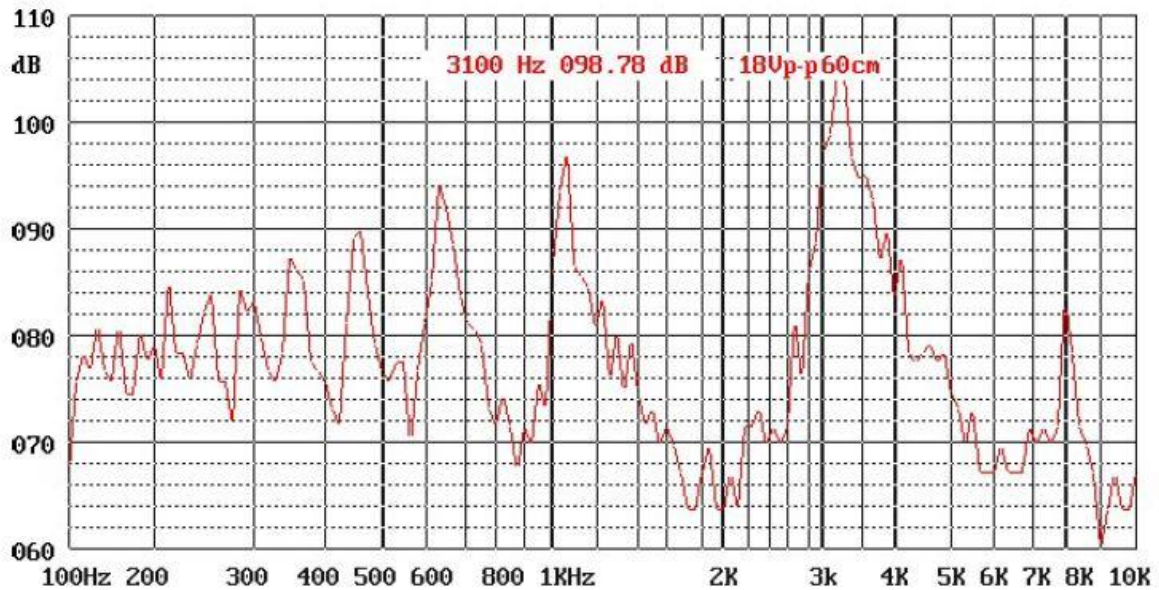
PARAMETERS		VALUE	UNIT
Operating Frequency		3100 ±500	Hz
Operating Voltage, max		3 ~ 30	Vp-p
Rated Voltage		18	Vp-p
Typical Sound Output , min	@ 18 Vp-p 60 cm, 3.1 kHz 25°C	95	dB
	@ 18 Vp-p 60 cm, 1 kHz 25°C, 20mA max	75	dB
Operating Current, typ	@ 18 Vp-p, 3.1 kHz 25°C	20	mA
	@ 18 Vp-p, 1 kHz 25°C	20	mA
Capacitance	@100Hz 1Vrms	30000 ±30%	pF
High Temperature Reliability	No function for 240 hours	+85 ±2	°C
	Function for 240 hours	+70 ±2	°C
Low Temperature Reliability	No function for 240 hours	-55 ±2	°C
	Function for 240 hours	-40 ±2	°C
Life Test	At 18 Vp-p in room temperature continuously	1000	h
Relative Humidity	@ 40 ±2 °C, R.H 240 hours	95 ±5%	%
Operating Temperature Range		-40 ~ +70	°C
Storage Temperature Range		-55 ~ +85	°C
Termination		2 PC pins, electro-tin plated brass	-
Case	@ Load Pull Test , max	9.8	N
Diaphragm		Plastic, NORYL® PX9406 Black	-
Weight, typ		12	g
Thermal Cycle		+40±2°C, 30min +25±2°C, 15min +70±2°C, 30min +25°C, 15min	5 cycles
Vibration	@ 10 to 50Hz of vibration frequency to each of 3 perpendicular directions for 2 hours	1.5	mm
Shock	@ Shock for each mutually perpendicular directions, half sine wave, 3 times each	980	m/s <sup>2</sup>
Drop Test	Dropped naturally from 750mm height onto the surface of 10mm wooden board. 2 directions – upper and side of the part are applied		

#### Dimension



Unit: mm

#### Frequency Characteristics





A **RAMI TECHNOLOGY** Company

**PIEZO TRANSDUCER**

Page 3 of 3

**RDT-3.100-4020-NS1**

• **APPROVAL**

DRAWN BY	AR, October 04, 2023
APPROVED BY	CP, October 04, 2023
REVISION	A, Initial Release

Raltron Electronics / RAMI Technology USA, LLC, including its affiliates, employees, agents and other persons acting on its behalf (collectively Raltron/RAMI Tech), disclaim any and all liability for any errors or inaccuracies contained in this data sheet. While Raltron/RAMI Tech has made every reasonable effort ensure the accuracy of all product information, specifications and data contained herein, Raltron/RAMI Tech does not guarantee that the information is accurate, reliable or current. The product information is provided only for reference purposes only and is subject to change, correction or revision, at any time without notice. Raltron/RAMI Tech does not assume any liability arising out of an application or use of any product described herein and disclaims any warranties expressed or implied. The user of products in such applications shall assume all risks of such use and will agree to hold Raltron/RAMI Tech, harmless against all damages.

Copyright © 2016, Raltron Electronics / RAMI Technology USA, LLC. All rights reserved. No part of this document may be reproduced in any form without the prior written permission of Raltron Electronics / RAMI Technology USA, LLC.