

MODEL: CMC-3015-44L100 | **DESCRIPTION:** ELECTRET CONDENSER MICROPHONE

FEATURES

- omnidirectional
- small size
- 100 mm lead wires


SPECIFICATIONS

parameter	conditions/description	min	typ	max	units
directivity	omnidirectional				
sensitivity [S]	f = 1 kHz, 1 Pa, 0 dB = 1 V/Pa	-47	-44	-41	dB
standard operating voltage [Vs]			2		Vdc
max operating voltage				10	Vdc
output impedance [Zout]	f = 1 kHz, 1 Pa		2.2		kΩ
sensitivity reduction [ΔS-Vs]	f = 1 kHz, 1 Pa, Vs = 2.0 ~ 1.5 Vdc		-3		dB
frequency [f]		100		20,000	Hz
current consumption [IDSS]	Vs = 2.0 Vdc, RL = 2.2 kΩ			0.5	mA
signal to noise ratio [S/N]	f = 1 kHz, 1 Pa, A-weighted		57		dBa
dimensions	Ø3.0 x 1.5				mm
material	Al				
terminal	wire leads				
weight				0.15	g
operating temperature		-20		70	°C
storage temperature		-20		70	°C
RoHS	yes				

Notes: 1. We use the "Pascal [Pa]" indication of sensitivity as per the recommendation of I.E.C. (International Electrotechnical Commission). The sensitivity of "Pa" will increase 20 dB compared to the "ubar" indication. Example: -60 dB (0 dB = 1 V/ubar) = -40 dB (1 V/Pa)
 2. All specifications measured at 5-35°C, humidity at 45-85%, under 86-106 kPa pressure, unless otherwise noted.

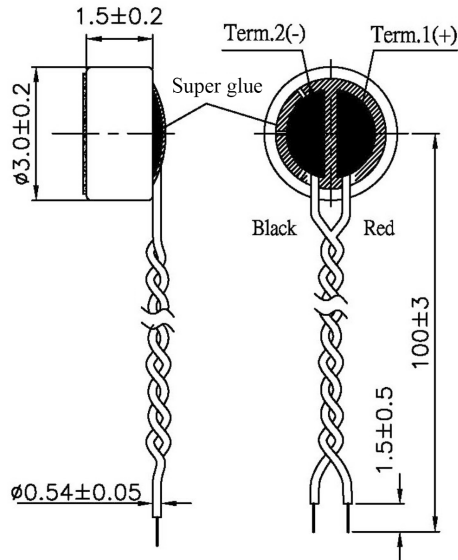
SOLDERABILITY

parameter	conditions/description	min	typ	max	units
hand soldering	for maximum 2 seconds	310	320	330	°C

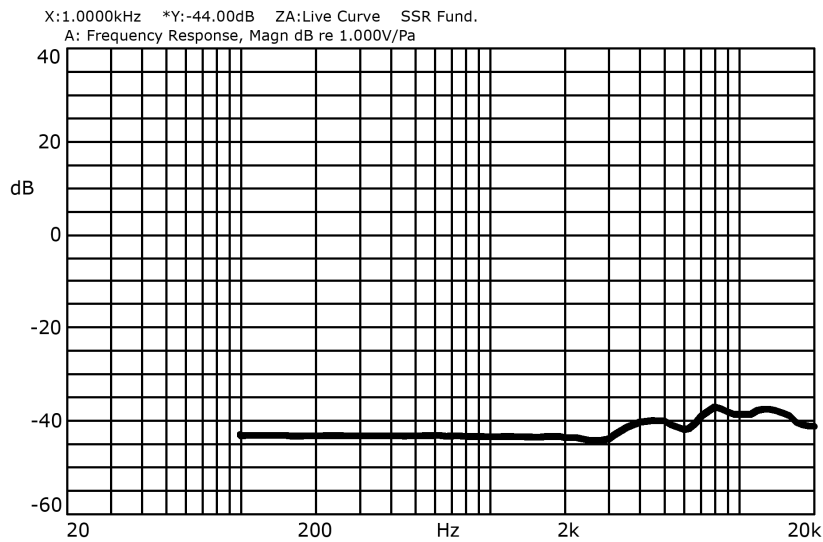
MECHANICAL DRAWING

units: mm

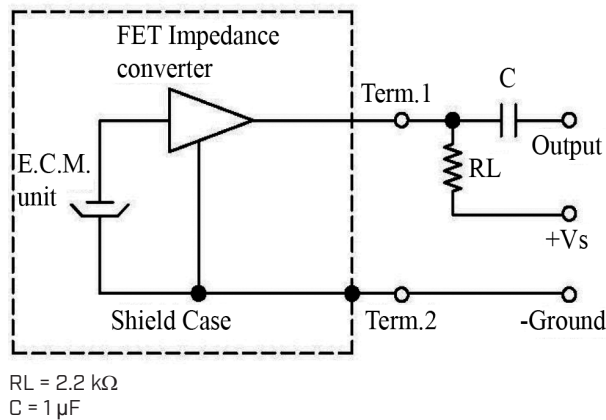
wire: UL1571 LF 32 AWG



FREQUENCY RESPONSE CURVE



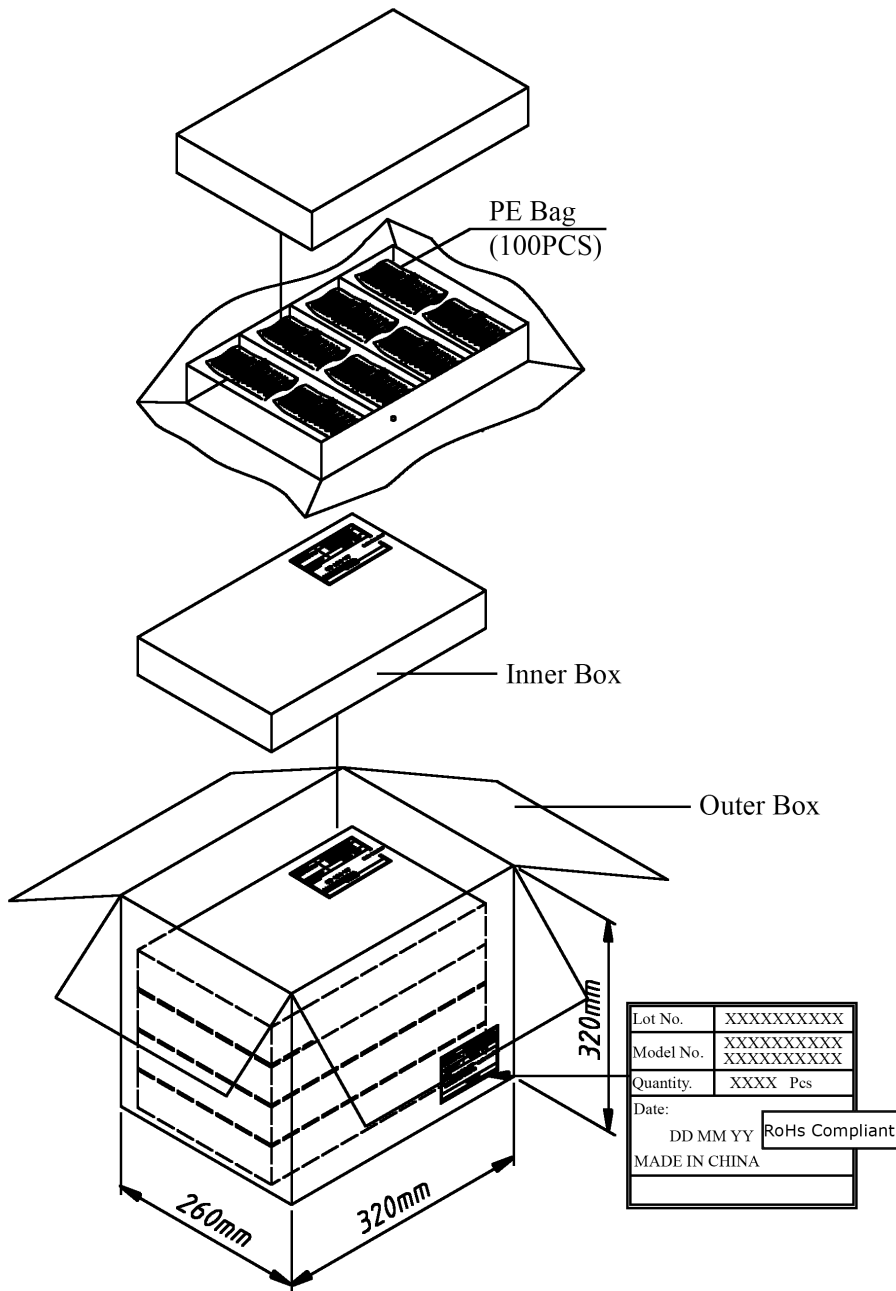
MEASUREMENT CIRCUIT



PACKAGING

units: mm

PE Bag Size: 100 x 70 mm
 Inner Box Size: 310 x 246 x 49 mm
 Outer Box Size: 320 x 260 x 320 mm
 PE Bag QTY: 100 pcs per bag
 Inner Box QTY: 4,000 pcs per box
 Outer Box QTY: 20,000 pcs per box



REVISION HISTORY

rev.	description	date
1.0	initial release	11/28/2016
1.01	updated datasheet	04/17/2018
1.02	brand update	01/15/2020
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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