

MODEL: CMEJ-0733-25-L350 | **DESCRIPTION:** ELECTRET CONDENSER MICROPHONE

FEATURES

- omnidirectional
- high sensitivity
- 350 mm lead wires


ELECTRICAL

parameter	conditions/description	min	typ	max	units
directivity	omnidirectional				
sensitivity [S]	at 1 kHz [0 dB = 1 V/Pa]	-31	-28	-25	dB
supply voltage [V _{DD}]		1.0	2.0	10	V
current consumption	V _{DD} = 2.0 V, R _L = 2.2 k Ω			0.5	mA
sensitivity reduction	V _{DD} = 2.0 ~ 1.5 V			3	dB
frequency [f]		100		10,000	Hz
signal to noise ratio [S/N]	at 1 kHz, P _{in} = 1 Pa [A-weighted]		70		dBA
total harmonic distortion [THD]	at 94 dB SPL, 1 kHz			1	%
	at 115 dB SPL, 1 kHz			3	%
acoustic overload point [AOP]	at 1 kHz			115	dB SPL
output impedance [Z _{out}]	at 1 kHz			∞	k Ω

Notes: 1. All specifications measured at 20 \pm 2 $^{\circ}$ C, humidity at 60-70%, unless otherwise noted.

ENVIRONMENTAL

parameter	conditions/description	min	typ	max	units
operating temperature		-40		85	$^{\circ}$ C
storage temperature		-40		85	$^{\circ}$ C
operating humidity	non-condensing	30		85	%
storage humidity	non-condensing	30		75	%
RoHS	yes				

MECHANICAL

parameter	conditions/description	min	typ	max	units
dimensions	Ø7.0 x 3.3				mm
acoustic port	top				
terminals	wire leads with connector; mates with CJT A2501 Series or equivalent				
weight			3.4		g

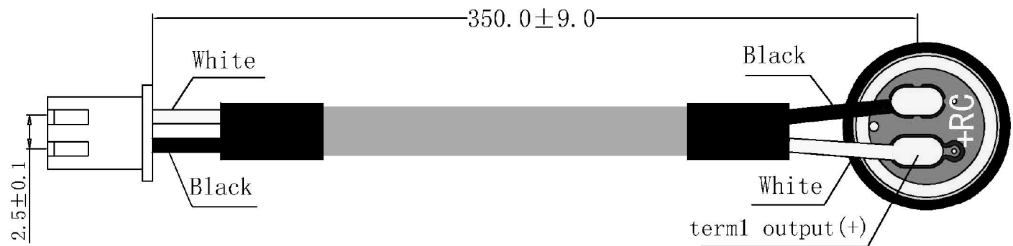
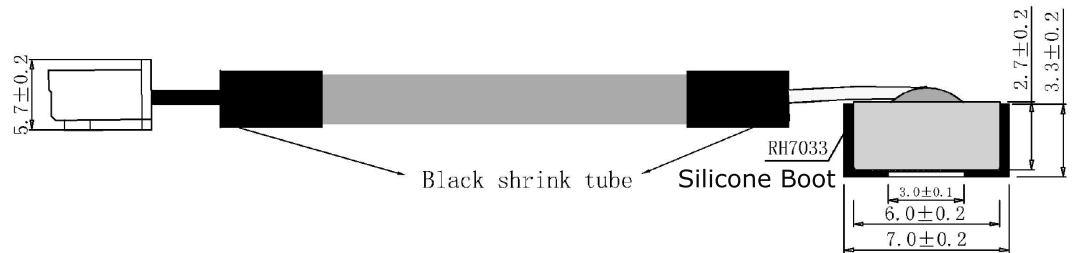
MECHANICAL DRAWING

units: mm
tolerance: ±0.2 mm

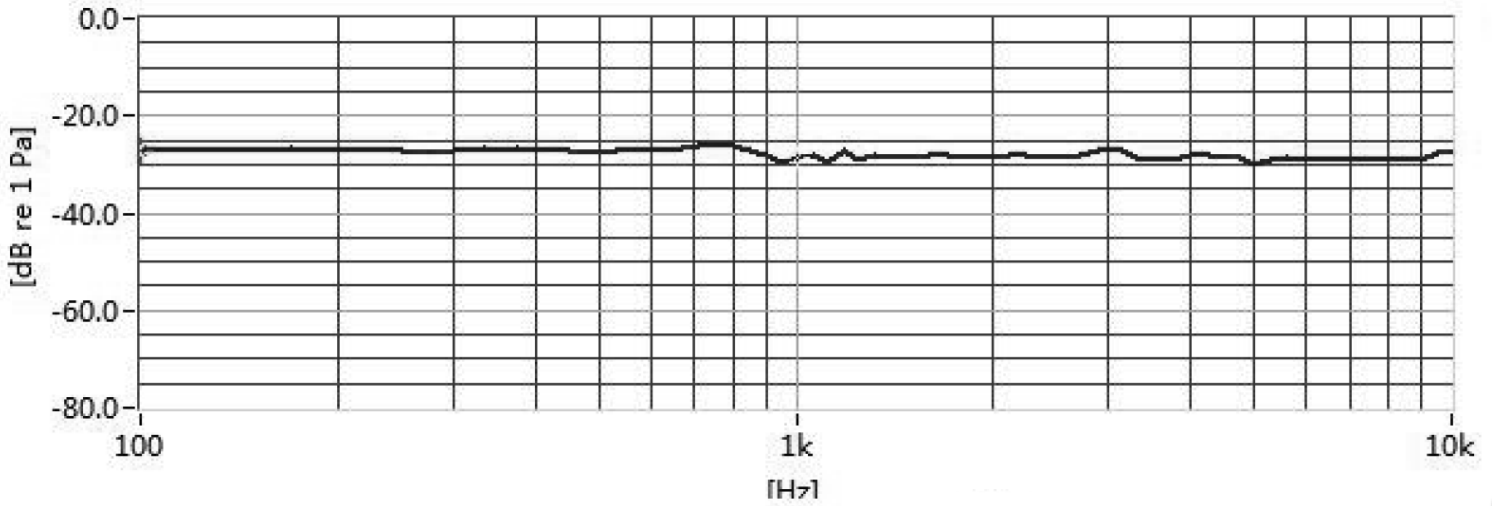
wire: UL 1533, 28 AWG
connector: CJT A2501H-2P
terminal: CJT A2501-T



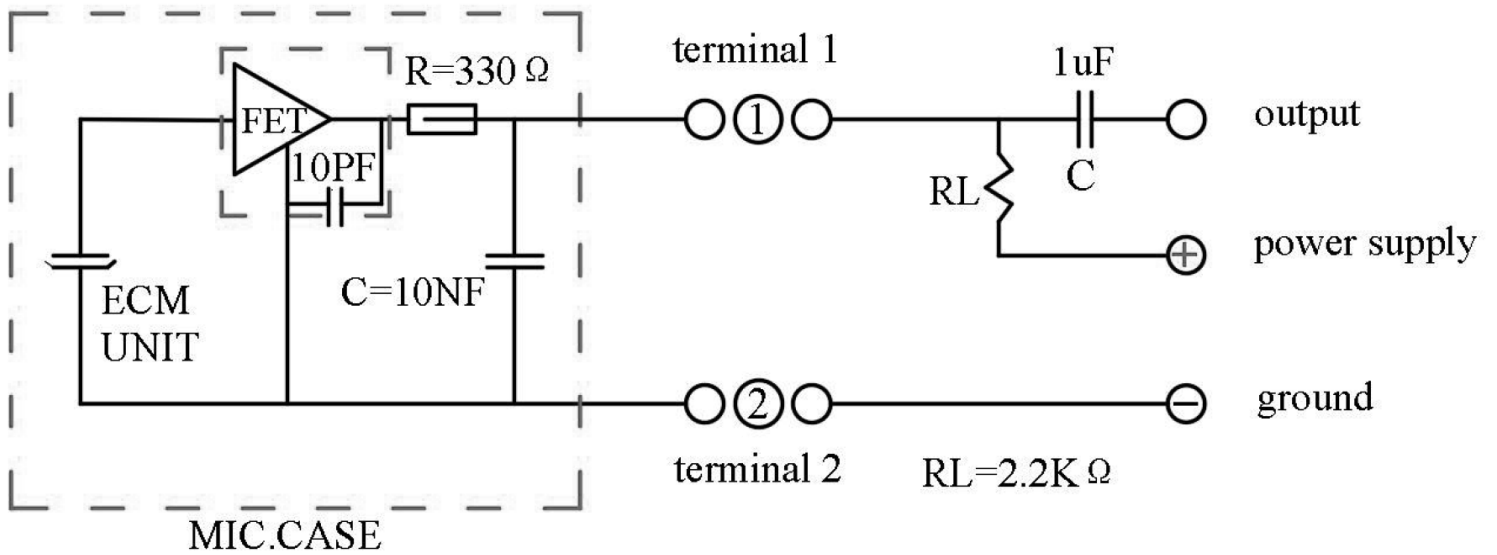
WIRE CONNECTIONS		
TERM.	WIRE COLOR	FUNCTION
1	Red	Output (+)
2	Black	GND (-)



FREQUENCY RESPONSE CURVE



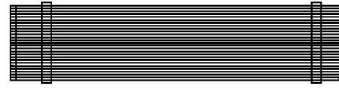
APPLICATION CIRCUIT



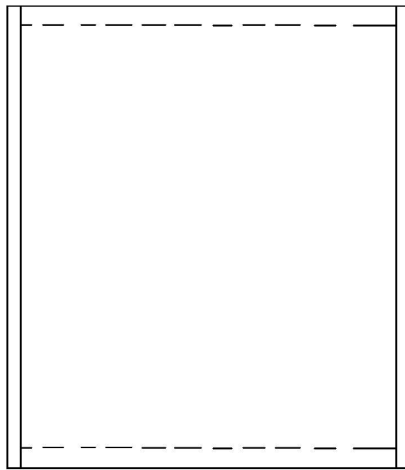
PACKAGING

Carton QTY: 5,000 pcs

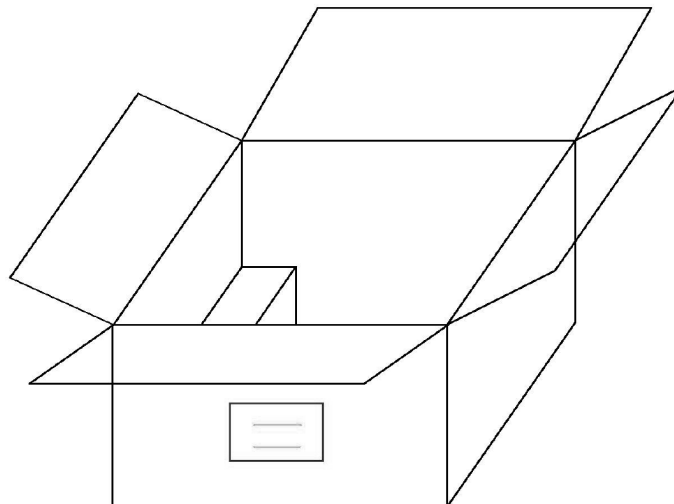
50PCS is 1 bundles,



20 bundles of 1 bags



5pcs bag
packing to
carton, 5000PCS



REVISION HISTORY

rev.	description	date
1.0	initial release	06/12/2019
1.01	brand update	01/16/2020
1.02	logo, datasheet style update	08/05/2022
1.03	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.

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

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