

**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 <sub>DD</sub> )		1.0	2.0	10	V
current consumption	V <sub>DD</sub> = 2.0 V, R <sub>L</sub> = 2.2 k $\Omega$			0.5	mA
sensitivity reduction	V <sub>DD</sub> = 2.0 ~ 1.5 V			3	dB
frequency (f)		100		10,000	Hz
signal to noise ratio (S/N)	at 1 kHz, Pin = 1 Pa (A-weighted)		70		dBa
total harmonic distortion (THD)	at 94 dB SPL, 1 kHz at 115 dB SPL, 1 kHz			1 3	% %
acoustic overload point (AOP)	at 1 kHz			115	dB SPL
output impedance (Z <sub>out</sub> )	at 1 kHz			$\infty$	k $\Omega$

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

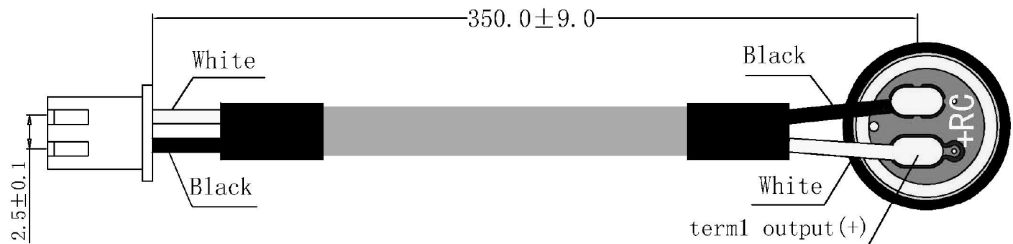
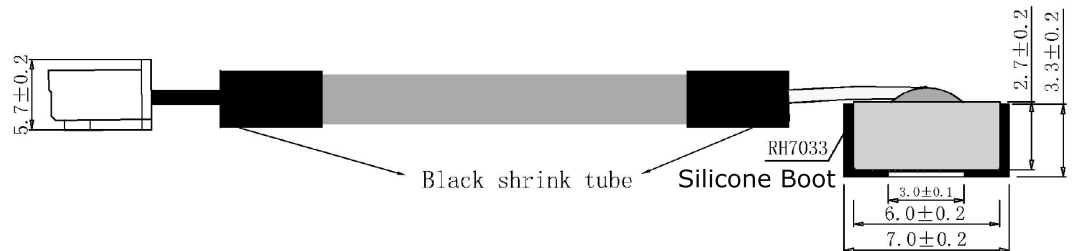
## MECHANICAL DRAWING

units: mm  
tolerance: ±0.2 mm

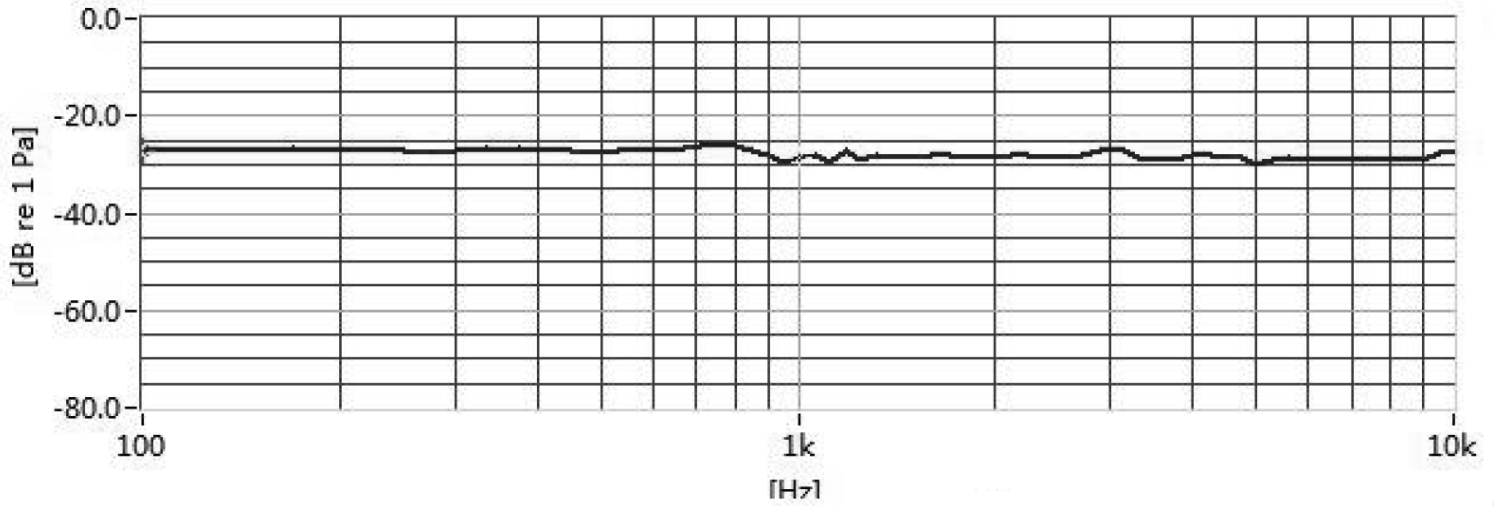
wire: UL 1533, 28 AWG  
connector: CJT A2501H-2P  
terminal: CJT A2501-T



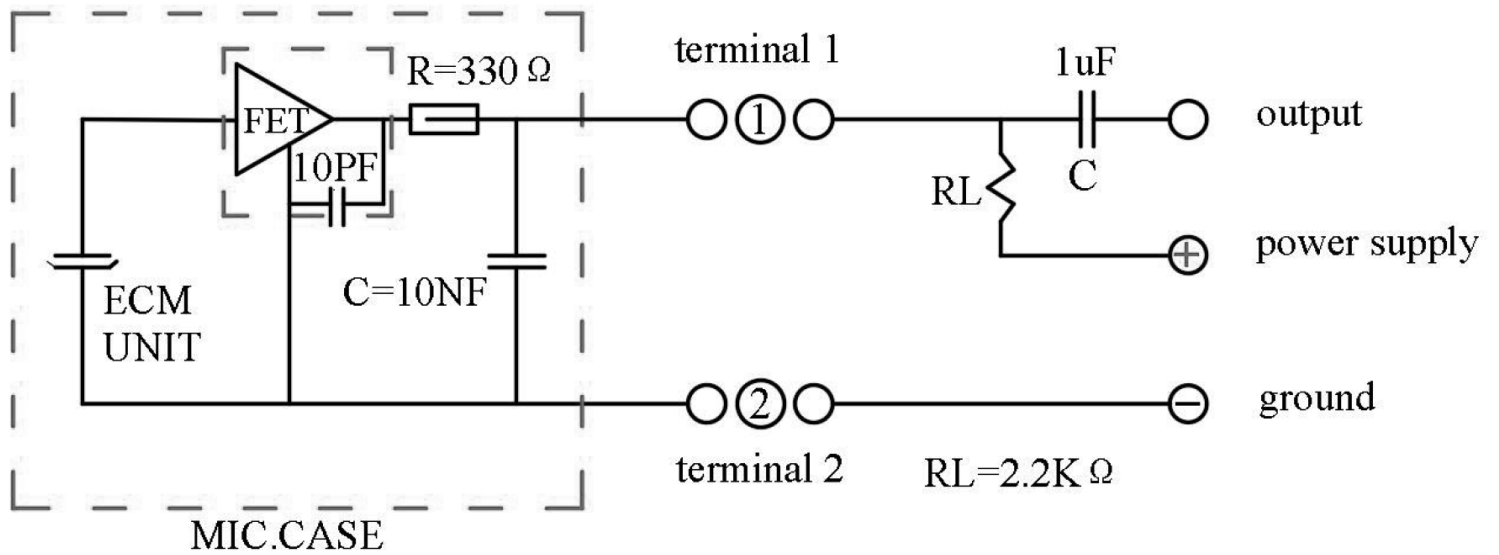
WIRE CONNECTIONS		
TERM.	WIRE COLOR	FUNCTION
1	Red	Output (+)
2	Black	GND (-)



## FREQUENCY RESPONSE CURVE



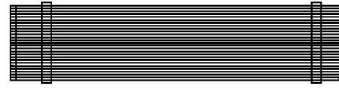
## APPLICATION CIRCUIT



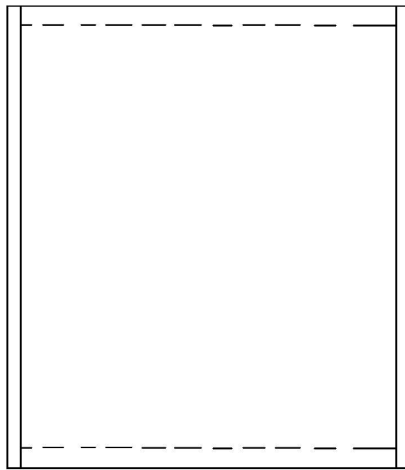
## PACKAGING

Carton QTY: 5,000 pcs

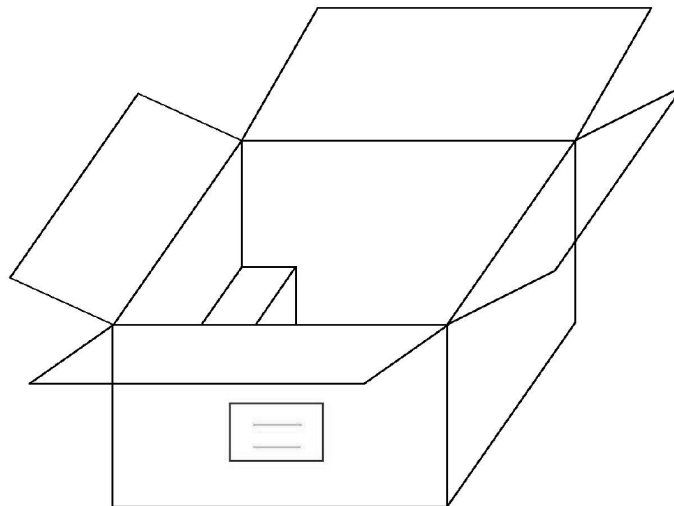
50PCS is 1 bundles,



20 bundles of 1 bags



5pcs bag  
packing to  
carton, 5000PCS



## REVISION HISTORY

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rev.	description	date
1.0	initial release	06/12/2019
1.01	brand update	01/16/2020

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

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# CUI DEVICES

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