

Address:  
BLOCK 1, DEHUINA INDUSTRIAL DISTRICT,  
MINGZHI RD LONGHUA, SHENZHEN,  
GUANGDONG, CHINA 518131

TEL: (86) 755-8192552 8190943  
FAX: (86) 755-8192557  
E-mail: szwwiner@public.szptt.net.cn  
HOME PAGE: www.globalsources.com/hornmic.co


**CUSTOMER: Digi-Key Corporation**

**APPROVE SHEET**

PRODUCT NAME	TYPE	DIMENSION	
Electret Condenser Microphone	EM8050U-51	Ø8.0×5.0(mm)	D.S.PCB

APPROVED : 李 華 DATE: 2000.11.25

CHECKED BY: 陳 一 棟 DATE: 2000.11.25

ISSUED BY: 陳為波 DATE: 

APPROVED BY

DATE:

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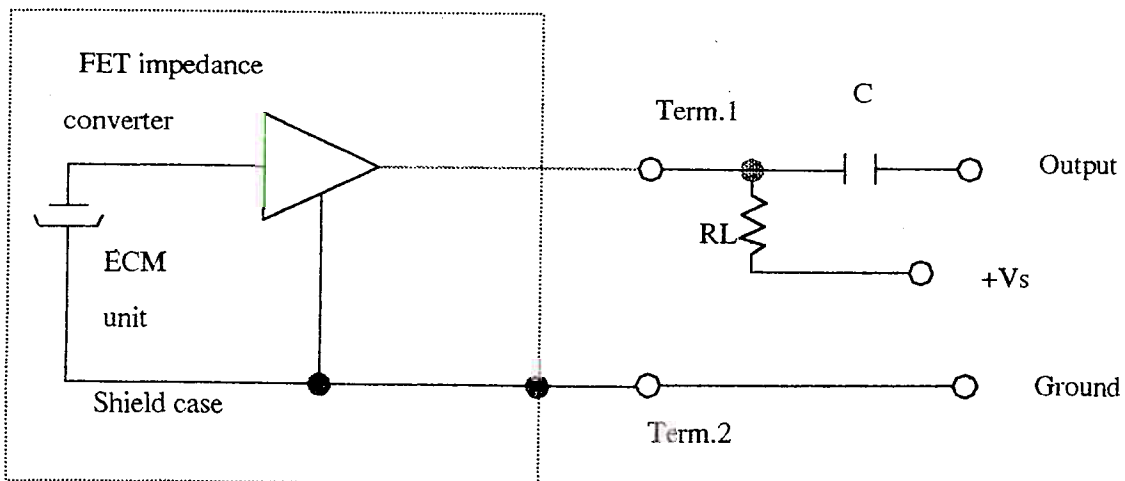
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## SPECIFICATION

Item	Symbol	Test conditions	Min	Standard	Max	Unit
Sensitivity	S	f=1KHz. Pin=1pa	-54	-51	-47	dB OdB=1V/pa
Directivity	Unidirectional					
Impedance	Zout				680	$\Omega$
Current consumption	I	f=1KHz. Pin=1pa			500	$\mu$ A
Sensitivity reduction	$\Delta$ S	f=1KHz. Pin=1pa. Vs=1.5→1V			-3	dB
S/N ratio	S/N(A)	f=1KHz. Pin=1pa. A=curve	58			dB

### Measurement Circuit (Test Condition Vs=1.5V RL=680 $\Omega$ )

Ta=20 $^{\circ}$ C R.H=65%)

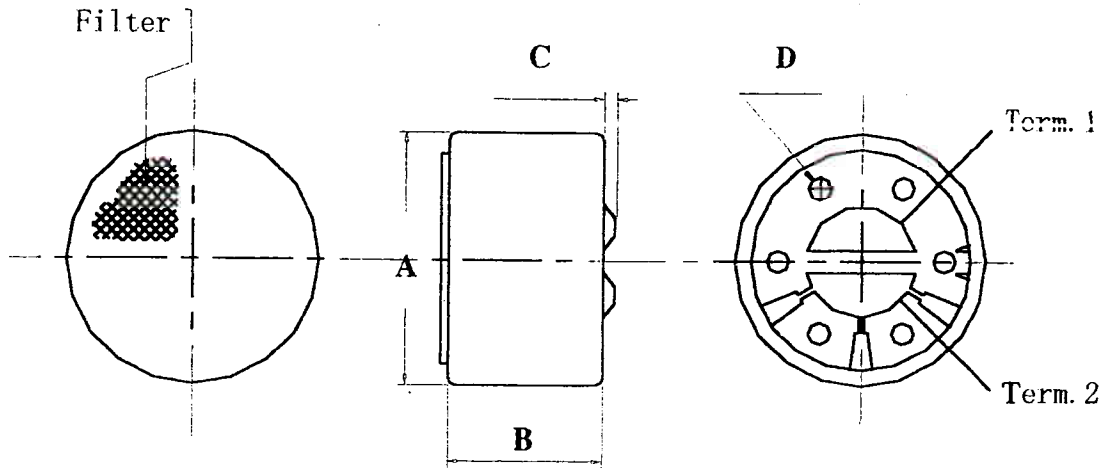


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**Dimensional Drawing**

**unit: mm**



PART	MIN	TYPE	MAX	REMARK
A	Ø7.9	Ø8	Ø8.1	
B	4.8	5	5.2	
C	0.2	-	0.7	
D	Ø0.6	-	Ø0.8	

**Typical Frequency Response Curve**

