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Datasheet

Item no. 1564571

V1_07262018_01_en

Microphone Electret Condensor

Description :	Φ6.0×1.5mm(±0.2mm) -56±3dB
Testing Voltage:	4.5V
Testing Bias Resistor:	2.2ΚΩ
Insulating Resistance:	>500MΩ/ 1 minute
Electrical Characteristics:	
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Operation condition:	Ambient temperature: -20°C ~+60°C; Relative humidity: ≤85%
Storage condition:	Ambient temperature: -20°C ~+60°C; Relative humidity: 45%~75%
Sensitivity :	-56±3 dB (0dB=1V/uBa, 1 KHz)
Sensitivity Reduction:	-3 dB (F=1KHz Pin=1Pa V=2→1.5V)
Standard Operation Voltage:	1.5 VDC
Max. Operation Voltage:	10 VDC
Output Impedance:	1.5KΩ(f=1KHz Pin=1Pa)
Frequency:	70Hz to 10000Hz +/-3dB
Max. Current Consumption:	500uA(f=1KHz Pin=1Pa)
Signal To Noise Ratio:	> 58 dB(f=1KHz Pin=1Pa A=cure)
Housing Material:	AL
Regulations:	ROHS

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Appearance Drawing Unit:mm



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Frequency Response



Frequency (Hz)	Lower (dB)	Upper (dB)
100	-6	+3
200	-3	+3
900	-3	+3
1000	0	0
1100	-3	+3
3000	-3	+8
5000	-3	+8
10000	-8	+8

Microphone Response Tolerance Window

Microphone test setup



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Figure 2: Microphone test setup for L=50cm test

Measuring circuit (Test Condition Vs=4.5V RL=2.2KΩ Ta=20°C)



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