



## Specifications sheet

Product Type : Symmetric Ultrasonic Sensors  
Product Series : USWS18A  
Description : USWS 18D 12H PIN ALUMINIUM RoHS  
Color : Black

### Electrical Specifications

Model No.	<i>USWS18A12LFPM</i>	
Center Frequency	Hz	40000.0 ± 1000.0
Diameter ( A ) ± 0.3	mm	Ø 18.0
Height ( B ) ± 0.3	mm	12.0
Echo Sensitivity	mV	≥ 160.0
Decay Time	mS	≤ 1.2
Directivity ( deg )		80.0 ± 15.0
Capacitance At 1.0 KHz	pF	1800.0 ± 15.0 %
Allowable Maximum Input Voltage	Vp-p	140.0 ( 40.0 KHz ) Pulse width 0.5 ms / Interval 20.0 ms
Mean Time to Failure	h	50000.0
Housing Material		Aluminum
Operating Temperature	° C	- 40.0 ~ + 80.0
Storage Temperature	° C	- 40.0 ~ + 85.0

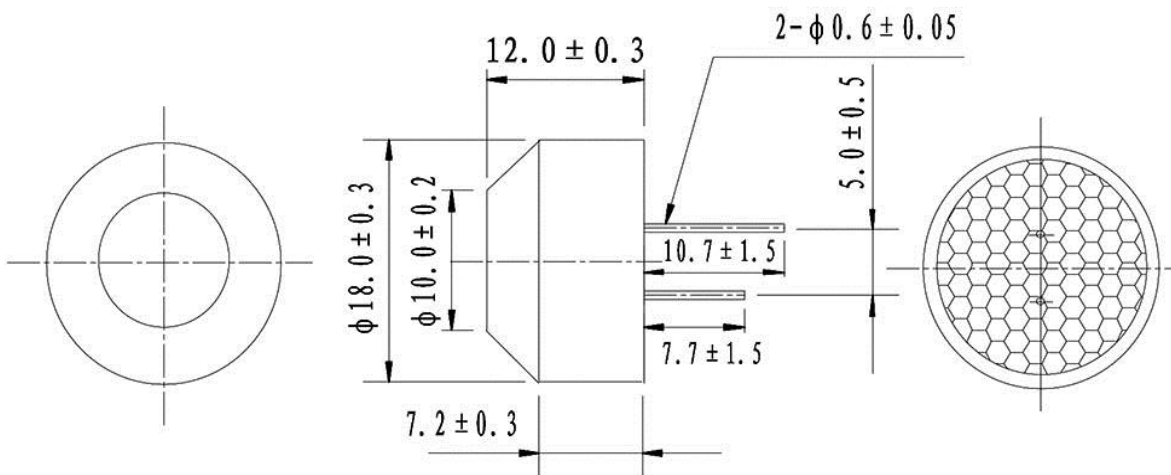
### Dimensions


Unit : mm


TOP VIEW

SIDE VIEW

BOTTOM VIEW



Approved By :   
Date : 25 Jun 2019

Prepared By :   
Date : 25 Jun 2019

Modify :	Date :	By :
Modify All Electrical Specifications	11-Oct-17	Nelson
Color : Silver change to Black	25 Jun 2019	Nelson