



## SPECIFICATIONS SHEET

**PRODUCT TYPE : OPEN STRUCTURE ULTRASONIC SENSORS**

**PRODUCT SERIES : USO16B**

**DESCRIPTION : USO 16D 12H 10V PIN ABS RoHS**

**COLOR : BLACK**

### ELECTRICAL SPECIFICATIONS

MODEL NO.	USO16B12LFPA	
FUNCTION	TRANSMITTER & RECEIVER	
DIAMETER ( A ) ± 0.5	mm	∅ 16.0
HEIGHT ( B ) ± 0.5	mm	12.0
SOUND PRESSURE LEVEL ( 0dB = 0.0002 ubar )	Min. 115.0 dB ( 10.0 V rms Sine Wave / 30.0 cm )	
SENSITIVITY	Min. -65.0 dB ( v / u bar )	
CENTER FREQUENCY	Hz	40000 ± 1000 Hz
BEAM ANGLE ( - 6 dB )	55.0 ° Typical	
MAX. DRIVING VOLTAGE	V	20.0 V rms
CAPACITANCE AT 1KHz	pF	2100 ± 20 %
HOUSING MATERIAL	ABS 757	
OPERATING TEMPERATURE	°C	- 20.0 ~ + 70.0
WEIGHT	2.0 g	

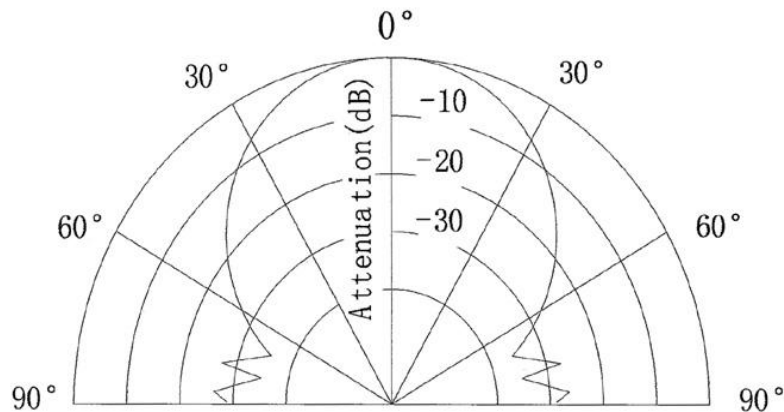
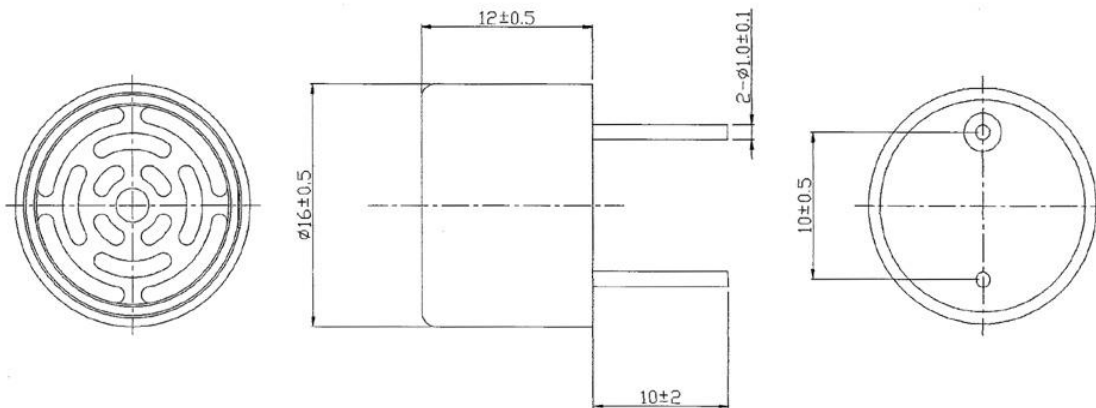
### DIMENSIONS

UNIT : mm

TOP VIEW

SIDE VIEW

BOTTOM VIEW



Directivity in Sound Pressure Level

Approved By :   
Date : 20-Oct.-2009

Prepared By :   
Date : 20-Oct.-2009

Modify :	Date :	By :