



Open Structure Ultrasonic Sensor Specification

Series FOU

Model Number: FOU16C12N03KPMN

Version 1.0

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1. ELECTRICAL SPECIFICATIONS



Model No.: FOU16C12N03KPMN

Description: OSUS 16D 12.2H 10V PIN ALUMINIUM RoHS

<i>MODEL NO.</i>	<u>FOU16C12N03KPMN</u>	
<i>FUNCTION</i>	RECEIVER	
<i>CENTER FREQUENCY</i>	<i>Hz</i>	40000 ± 1000
<i>DIAMETER (A) ± 0.3</i>	<i>mm</i>	Ø 16.0
<i>HEIGHT (B) ± 0.3</i>	<i>mm</i>	12.2
<i>BANDWIDTH (dB)</i>	2.5 K Hz	
<i>RECEIVER SENSITIVITY</i>	Min. -60.0 dB (at 40.0 K Hz 0dB = 1 Volt / uBar)	
<i>CAPACITANCE AT 1KHz</i>	<i>pF</i>	2100 ± 20 %
<i>MAX. DRIVING VOLTAGE</i>	20.0 V rms	
<i>BEAM ANGLE -6 dB</i>	80.0 ° TYPICAL	
<i>HOUSING MATERIAL</i>	ALUMINUM	
<i>OPERATING TEMPERATURE</i>	<i>°C</i>	-20.0 ~ +70.0
<i>WEIGHT</i>	3.0 g	

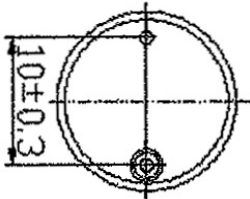
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2. PHYSICAL DIMENSION

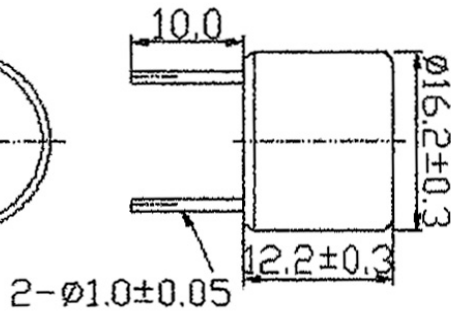


All dimensions stated are in mm

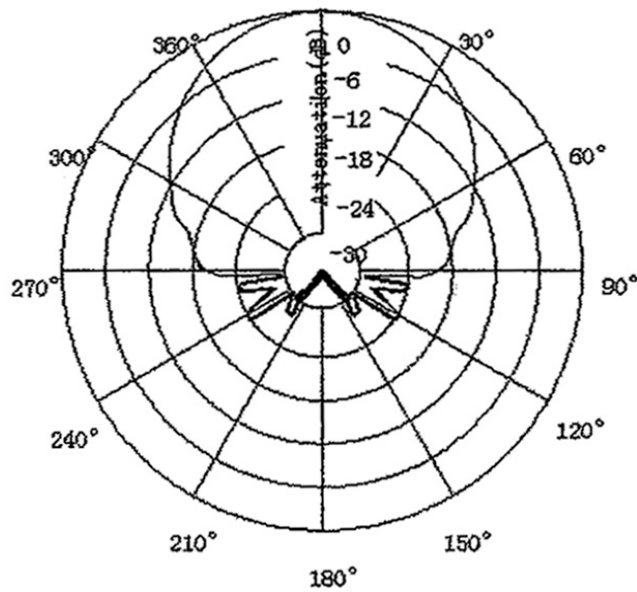
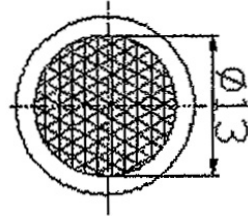
BOTTOM VIEW



SIDE VIEW



TOP VIEW



Revision History

Revision	Date	Description
1.0	2008.12	Modify Electrical Spec

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