



1 Scope

Underwater Ultrasonic Ceramic Transducers are ultrasonic pulse-echo transducer systems which can be used to measure depth of water or to locate fish, reefs and sandbanks.

2 Part Number

200LM450 Underwater Ultrasonic Ceramic Transducer

3 Dimension

As per Figure 1

4 Specification

	Items	Specification	Remarks
4-1	Center Frequency	200KHz	$\pm 10\text{KHz}$
4-2	Transmitting Voltage Response	160dB (min)	at frequency of max TVR 0dB re 1 μPa per 1Vrms at 100cm
4-3	Receiving Voltage Response	-185dB (min)	at frequency of max RVR 0dB = 1Vrms/ μPa
4-4	Bandwidth	25KHz (min)	-6dB (Figure Of Merit)
4-5	Submerged Impedance	200 Ω (max)	
4-6	Capacitance	2000pF	$\pm 20\%$, measured at 1KHz
4-7	Input Power	50Watts	tone burst drive
4-8	Cable Length	4.5meter	
4-9	Housing Material	Plastic Resin	

Dimensions: unit mm

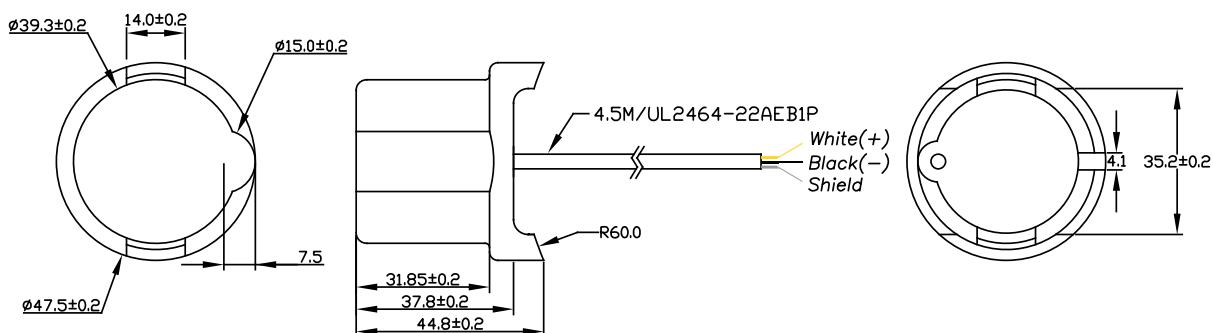


Figure 1

Mouser Electronics

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