

**706B and 706S/S****50kHz to 200kHz**

Designed as a dual frequency (50/200 kHz) high power thru-hull transducer, the model 706 contains four 50 kHz (1.7") elements and a single 2.5" 200 kHz element. When ordered as a 50 kHz only transducer, it has six 1.7" elements. When the 706 is combined with its streamline fairing block the total assembly develops very little drag.

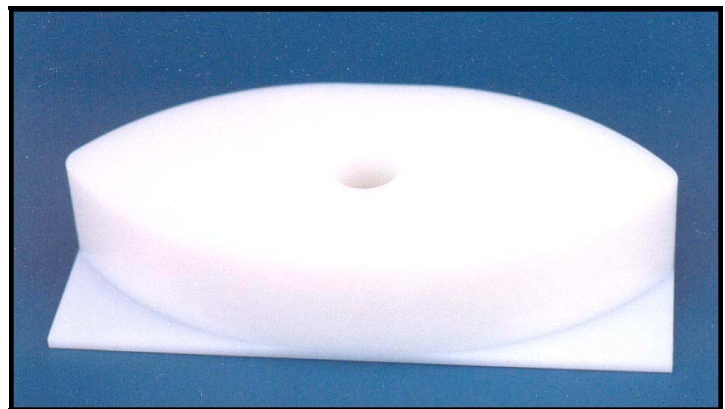
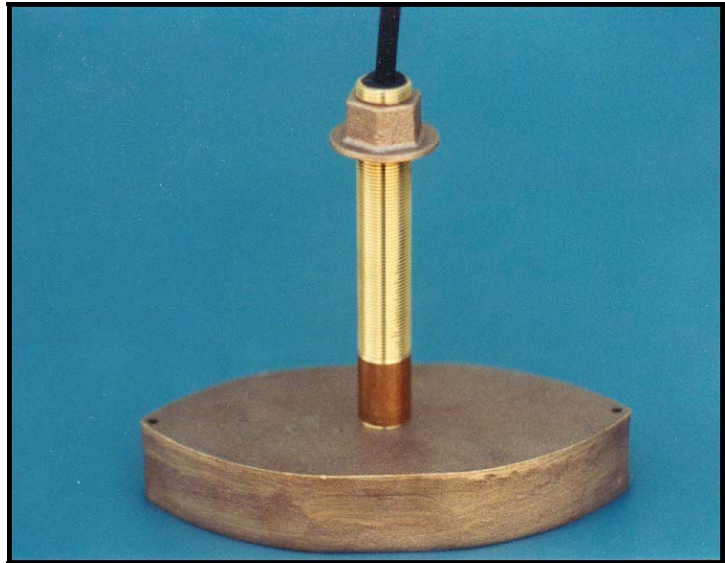
The 706 is offered in two different types of housing material, cast bronze or stainless steel.

**Options:**

- Temperature sensor
- Fairing block, FB706
- Stainless steel or Bronze housing
- Custom element configurations
- Impedance matching

**Applications:**

- Fiberglass or wood hulls only.

**Performance Data**

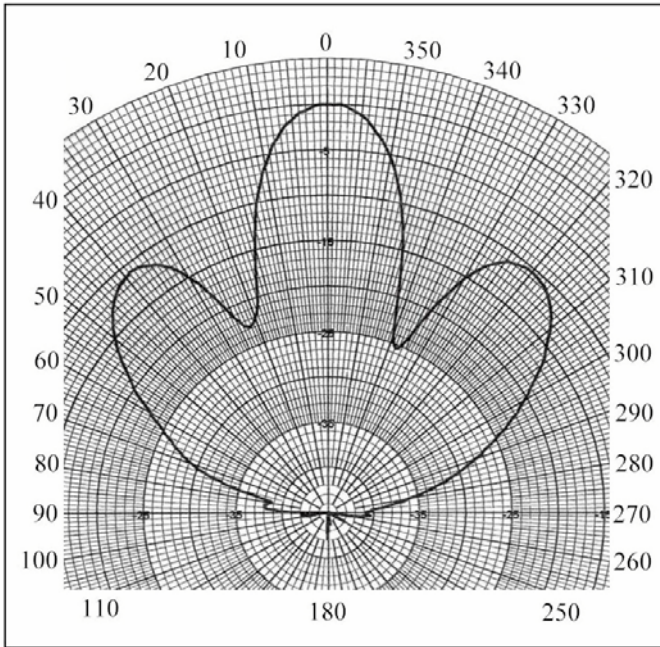
FREQUENCY (kHz)	BEAM WIDTH (degrees @ -3db)	ELEMENT SIZE (inches)	CAPACITANCE (pf)	IMPEDANCE (ohms)	TRANSMIT RESPONSE (db)	RECEIVE RESPONSE (-db)	POWER RATING, RMS (watts)	COMMENT
			NOTE (1)	NOTE (2)	NOTE (3)	NOTE (4)		
200	7	2.5	3700	200	167	-183	1000	
50	10 x 20	1.7	2800	290	163	-176	1200	Six 1.7" elements
50	14 x 20	1.7	4800	120	164	-180	1000	Four 1.7" elements
50	18	1.38	3900	240	161	-178	1200	Seven 1.38" elements

(1) with standard length cable. (2) equivalent series R in water. (3) the source level generated by one watt input. (4) the open circuit RMS voltage generated by a pressure of one microbar.

**RADARSONICS INC.**

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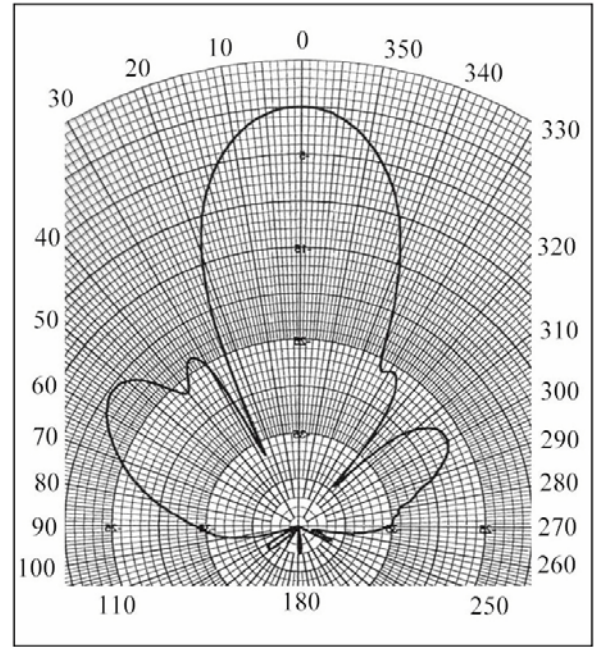
## 50kHz – Four 1.7” Diameter Elements



Element Configuration -



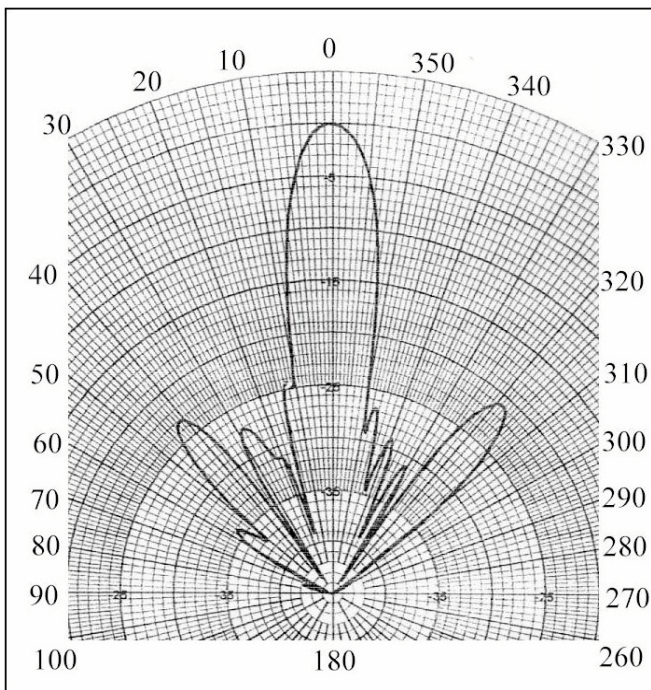
## 50kHz – Four 1.7” Diameter Elements



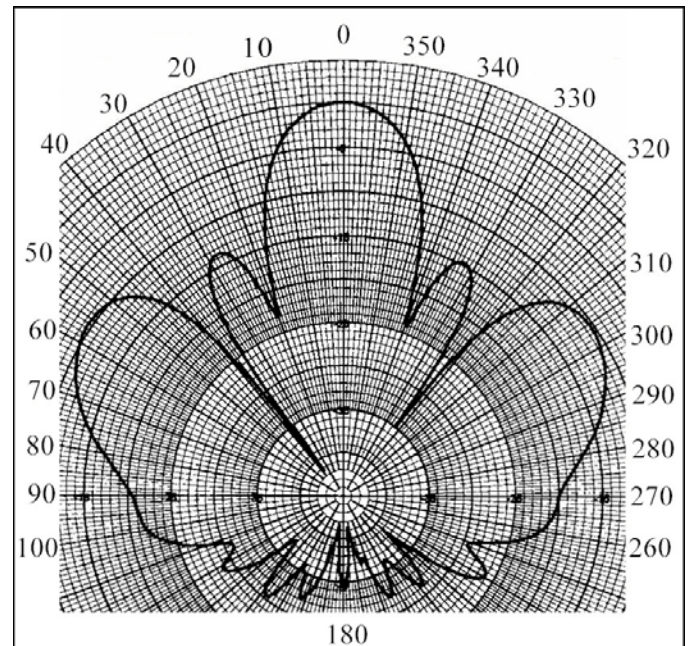
Element Configuration -



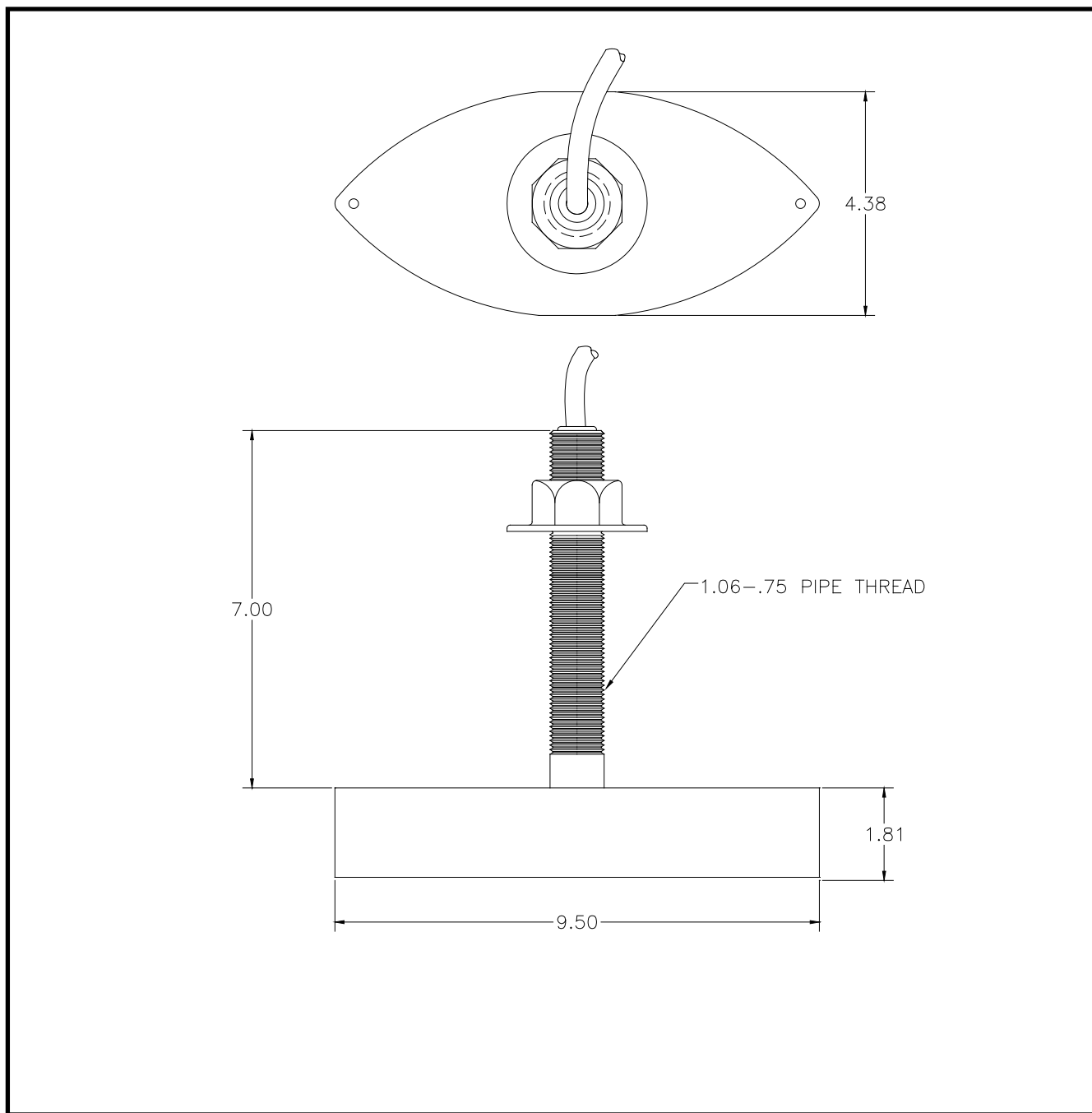
## 200kHz - 2.5” Diameter Elements



## 50kHz – Seven 1.38” Diameter Elements





**Specifications:**

- Housing and nut material: Bronze or Stainless steel.
- Stainless steel housing tested per F.P.A. method 1110A at a water temperature of 55 degrees C.
- Threads: 1 1/16" - 3/4" N.P.S.
- Standard cable length: 30 feet.
- Weight: Bronze – 11.5 lbs. Stainless steel – 11 lb

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