



## IMR, IMG & PIM

### Features

- Circular, lead metaniobate crystal
- High damped for wide bandwidth
- (IMR)
- Medium damped for medium bandwidth (IMG)
- Composite crystal for wide bandwidth, high output (PIM)
- Spherical (point focus) or Cylindrical (line focus) available as an extra option

### Frequent Applications

- Ceramics
- Composites
- Machined Parts
- Thickness

### Transducer Models

Product Code	f (MHz)	Ø (inches)	N (inches)	Min (inches)	Max (inches)	Std Options (inches)
IMR (Resolution)						
IMR2525	2.25	1/4	0.6	0.4	0.5	1/2
IMR3725	2.25	3/8	1.4	0.8	1	1
IMR5025	2.25	1/2	2.4	0.9	2	1, 1 1/2, 2
IMR7525	2.25	3/4	5.4	1.25	4	1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMR1025	2.25	1	9.7	1.9	6	2, 2 1/2, 3, 3 1/2, 4
IMR2550	5	1/4	1.3	0.5	1	1/2
IMR3750	5	3/8	3	0.7	1.7	1, 1 1/2
IMR5050	5	1/2	5.4	0.9	4	1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMR7550	5	3/4	12.1	1.25	8	1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMR1050	5	1	21.5	2	8	2, 2 1/2, 3, 3 1/2, 4
IMR2510	10	1/4	2.7	0.5	2	1/2, 1, 1 1/2, 2
IMR3710	10	3/8	6	0.7	4	1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMR5010	10	1/2	10.7	0.8	6	1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMR7510	10	3/4	24.1	1.75	8	2, 2 1/2, 3, 3 1/2, 4
IMR2515	15	1/4	4	0.5	2.5	1/2, 1, 1 1/2, 2, 2 1/2
IMG (Gain)						
IMG2525	2.25	1/4	0.6	0.4	0.5	1/2
IMG3725	2.25	3/8	1.4	0.8	1	1
IMG5025	2.25	1/2	2.4	0.9	2	1, 1 1/2, 2
IMG7525	2.25	3/4	5.4	1.25	4	1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMG1025	2.25	1	9.7	1.9	6	2, 2 1/2, 3, 3 1/2, 4
IMG2550	5	1/4	1.3	0.5	1	1/2
IMG3750	5	3/8	3	0.7	1.7	1, 1 1/2
IMG5050	5	1/2	5.4	0.9	4	1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMG7550	5	3/4	12.1	1.25	8	1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMG1050	5	1	21.5	2	8	2, 2 1/2, 3, 3 1/2, 4
IMG2510	10	1/4	2.7	0.5	2	1/2, 1, 1 1/2, 2
IMG3710	10	3/8	6	0.7	4	1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMG5010	10	1/2	10.7	0.8	6	1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4
IMG7510	10	3/4	24.1	1.75	8	2, 2 1/2, 3, 3 1/2, 4
IMG2515	15	1/4	4	0.5	2.5	1/2, 1, 1 1/2, 2, 2 1/2

PIM (Platinum)

		1/2	1.1	0.7	1	1
PIM751	1	3/4	2.4	1.25	2	1 1/2, 2
PIM101	1	1	4.3	1.8	3.2	2, 2 1/2, 3
PIM2525	2.25	1/4	0.6	0.4	0.5	1/2
PIM3725	2.25	3/8	1.4	0.8	1	1
PIM5025	2.25		2.4	0.9	2	1, 1 1/2, 2
					4	1 1/2, 2, 2 1/2, 3, 3 1/2, 4
PIM1025	2.25	1	9.7	1.9	6	2, 2 1/2, 3, 3 1/2, 4
PIM2550	5	1/4	1.3	0.5	1	1/2
PIM3750	5	3/8	3	0.7	1.7	1, 1 1/2
PIM5050	5	1/2	5.4	0.9	4	1, 1 1/2, 2, 2 1/2, 3, 3 1/2, 4
PIM7550	5	3/4	12.1	1.25	8	1 1/2, 2, 2 1/2, 3, 3 1/2, 4
					8	2, 2 1/2, 3, 3 1/2, 4
PIM2510	10	1/4	2.7	0.5	2	1/2, 1, 1 1/2, 2

Size Options				Connector	
Probe Size	Case Dimensions			Type	Position
∅ sonatest	A (inches)	B (inches)	C (inches)	UHF (U)	Rear (R)
1/4	2.05	1.2	0.6	x	x
3/8	2.05	1.2	0.6	x	x
1/2	2.05	1.2	0.6	x	x
3/4	2.05	1.2	1	x	x
1	2.05	1.2	1.2	x	x