

Immersion Transducers

IMR, IMG or PIM



Features

- Single immersion beam compression wave immersion probe.
- 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					Focusing			
IMR (Resolution)	IMG (Gain)	PIM (Platinum)	f	∅	N	Min	Max	Std Options
p/n			(MHz)	(")	(")	(")	(")	(")
-	-	PIM501	1	1/2	1.1	0.7	1.0	1
-	-	PIM751	1	3/4	2.4	1.25	2.0	1½, 2
-	-	PIM101	1	1	4.3	1.8	3.2	2, 2½, 3
IMR2525	IMG2525	PIM2525	2.25	1/4	0.6	0.4	0.5	½
IMR3725	IMG3725	PIM3725	2.25	3/8	1.4	0.8	1.0	1
IMR5025	IMG5025	PIM5025	2.25	1/2	2.4	0.9	2.0	1, 1½, 2
IMR7525	IMG7525	PIM7525	2.25	3/4	5.4	1.25	4.0	1½, 2, 2½, 3, 3½, 4
IMR1025	IMG1025	PIM1025	2.25	1	9.7	1.9	6.0	2, 2½, 3, 3½, 4
IMR2550	IMG2550	PIM2550	5	1/4	1.3	0.5	1.0	½
IMR3750	IMG3750	PIM3750	5	3/8	3.0	0.7	1.7	1, 1½
IMR5050	IMG5050	PIM5050	5	1/2	5.4	0.9	4.0	1, 1½, 2, 2½, 3, 3½, 4
IMR7550	IMG7550	PIM7550	5	3/4	12.1	1.25	8.0	1½, 2, 2½, 3, 3½, 4
IMR1050	IMG1050	PIM1050	5	1	21.5	2.0	8.0	2, 2½, 3, 3½, 4
IMR2510	IMG2510	PIM2510	10	1/4	2.7	0.5	2.0	½, 1, 1½, 2
IMR3710	IMG3710	-	10	3/8	6.0	0.7	4.0	1, 1½, 2, 2½, 3, 3½, 4
IMR5010	IMG5010	-	10	1/2	10.7	0.8	6.0	1, 1½, 2, 2½, 3, 3½, 4
IMR7510	IMG7510	-	10	3/4	24.1	1.75	8.0	2, 2½, 3, 3½, 4
IMR2515	IMG2515	-	15	1/4	4.0	0.5	2.5	½, 1, 1½, 2, 2½

Size Options	IMR, IMG & PIM			Connector Options									
Probe Size	Case Dimensions			Connector Type						Connector Position			
∅ (")	A (")	B (")	C (")	BNC (B)	Lemo 1 (L)	Lemo 00 (Z)	Microdot (D)	Subvis (S)	UHF (U)	Top (T)	Rear (R)	Side	Cable
1/4	1.5	1.2	0.6	-	-	-	-	-	•	-	•	-	-
3/8	1.5	1.2	0.6	-	-	-	-	-	•	-	•	-	-
1/2	1.5	1.2	0.6	-	-	-	-	-	•	-	•	-	-
3/4	1.5	1.2	1.0	-	-	-	-	-	•	-	•	-	-
1	1.5	1.2	1.2	-	-	-	-	-	•	-	•	-	-