



Sonatest

Inspect with confidence

TRANSDUCER CATALOGUE



SLF

Single Compression Transducer with Replaceable Face Attachments

Features

- Single normal beam compression wave contact transducer
- Circular, lead metaniobate crystal composite versions available, see PSLF transducers
- Max operating temperature 50°C / 120°F
- High temperature option available up to 400°C using delay line materials
- Medium damped for general use
- Polymer membrane protected face option for 'soft nose' applications
- Delay line attachments available at varying lengths

Common Applications

- Castings
- Forgings
- White metal bearings
- High temperature



Transducer Models				
Product Code	Description	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
SLF5025	2.25MHz ½" SC Soft Face	2.25	12.7mm / ½"	15.2mm / 0.598"
SLF1025	2.25MHz 1" SC Soft Face	2.25	25.4mm / 1"	60.9mm / 2.398"
SLF5050	5MHz ½" SC Soft Face	5	12.7mm / ½"	33.8mm / 1.331"
SLF1050	5MHz 1" SC Soft Face	5	25.4mm / 1"	135.3mm / 5.327"

Case Dimensions and Details				
Transducer Version Crystal size	Width/Diameter (mm / Inches)	Height (mm / Inches)	Connector Options	Position Options
12.7mm / ½"	26mm / 1.024"	32mm / 1.26"	B L D Z	Side
25.4mm / 1"	36mm / 1.417"	38mm / 1.496"	B L D Z	Side

PSLF

Single Compression Transducer with Replaceable Soft Membrane

Features

- Single normal beam compression wave contact transducer
- Circular composite crystal
- Max operating temperature 50°C / 120°F
- Medium damped for general use
- Polymer membrane protected face option for 'soft nose' applications

Common Applications

- Castings
- Forgings
- White metal bearings
- High temperature



Transducer Models				
Product Code	Description	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
PSLF10.5	0.5MHz 1" SC Soft Face	0.5	25.4mm / 1"	13.5mm / 0.531"
PSLF50.5	0.5MHz ½" SC Soft Face	0.5	12.7mm / ½"	3.4mm / 0.134"
PSLF101	1MHz 1" SC Soft Face	1	25.4mm / 1"	27.1mm / 1.067"
PSLF501	1MHz ½" SC Soft Face	1	12.7mm / ½"	6.8mm / 0.268"
PSLF5025	2.25MHz ½" SC Soft Face	2.25	12.7mm / ½"	15.2mm / 0.598"
PSLF1025	2.25MHz 1" SC Soft Face	2.25	25.4mm / 1"	60.9mm / 2.398"
PSLF5050	5MHz ½" SC Soft Face	5	12.7mm / ½"	33.8mm / 1.331"
PSLF1050	5MHz 1" SC Soft Face	5	25.4mm / 1"	135.3mm / 5.327"

Case Dimensions and Details				
Transducer Version Crystal size	Width/Diameter (mm / Inches)	Height (mm / Inches)	Connector Options	Position Options
12.7mm / ½"	26mm / 1.024"	32mm / 1.26"	B L D Z	Side
25.4mm / 1"	36mm / 1.417"	38mm / 1.496"	B L D Z	Side



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Leading Ultrasonics