



Sonatest

Inspect with confidence

TRANSDUCER CATALOGUE



SLM

Single Compression Medium Damped Transducers

Features

- Single normal beam compression wave contact transducer
- Circular, lead metaniobate crystal
- Composite versions available, see PSLM transducers
- Max operating temperature 50°C / 120°F
- Medium damped for medium bandwidth
- Hard ceramic wear face for higher durability

Common Applications

- Ceramics
- Composites



Transducer Models				
Product Code	Description	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
SLM5025	2.25MHz ½" SC M.Damped	2.25	12.7mm / ½"	15.2mm / 0.598"
SLM7525	2.25MHz ¾" SC M.Damped	2.25	19mm / ¾"	34.1mm / 1.343"
SLM1025	2.25MHz 1" SC M.Damped	2.25	25.4mm / 1"	60.9mm / 2.398"
SLM5050	5MHz ½" SC M.Damped	5.0	12.7mm / ½"	33.8mm / 1.331"
SLM7550	5MHz ¾" SC M.Damped	5.0	19mm / ¾"	75.7mm / 2.98"
SLM1050	5MHz 1" SC M.Damped	5.0	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
10mm / ⅜"	21mm / 0.827"	19mm / 0.748"	B L Z	Side
12.7mm / ½"	26mm / 1.024"	24mm / 0.945"	B L Z	Side
19mm / ¾"	36mm / 1.417"	34mm / 1.339"	B L Z	Side
25.4mm / 1"	36mm / 1.417"	34mm / 1.339"	B L Z	Side

PSLM

Single Compression Medium Damped Transducers

Features

- Single normal beam compression wave contact transducer
- Circular, ceramic crystal
- Max operating temperature 50°C / 120°F
- Medium damped for medium band width
- Hard ceramic wear face for higher durability

Common Applications

- Ceramics
- Composites



Transducer Models				
Product Code	Description	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
PSLM50.5	0.5MHz ½" SC H.Damped	0.5	12.7mm / ½"	3.4mm / 0.134"
PSLM10.5	0.5MHz 1" SC H.Damped	0.5	25.4mm / 1"	13.5mm / 0.531"
PSLM501	1MHz ½" SC H.Damped	1	12.7mm / ½"	6.8mm / 0.268"
PSLM751	1MHz ¾" SC H.Damped	1	19mm / ¾"	15.1mm / 0.594"
PSLM101	1MHz 1" SC H.Damped	1	25.4mm / 1"	27.1mm / 1.067"
PSLM5025	2.25MHz ½" SC H.Damped	2.25	12.7mm / ½"	15.2mm / 0.598"
PSLM1025	2.25MHz 1" SC H.Damped	2.25	25.4mm / 1"	60.9mm / 2.398"
PSLM503.5	3.5MHz ½" SC H.Damped	3.5	12.7mm / ½"	23.7mm / 0.933"
PSLM5050	5MHz ½" SC H.Damped	5	12.7mm / ½"	33.8mm / 1.331"
PSLM1050	5MHz 1" SC H.Damped	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
10mm / ⅜"	21mm / 0.827"	19mm / 0.748"	B L Z	Side
12.7mm / ½"	26mm / 1.024"	24mm / 0.945"	B L Z	Side
19mm / ¾"	36mm / 1.417"	34mm / 1.339"	B L Z	Side
25.4mm / 1"	36mm / 1.417"	34mm / 1.339"	B L Z	Side



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Leading Ultrasonics