



Sonatest

Inspect with confidence

TRANSDUCER CATALOGUE



FCG & PFC

Single Crystal Compression 'Fingertip' Transducers

Features

- Single normal beam compression wave contact transducers
- Circular, lead metaniobate crystal
- Max operating temperature 50°C / 120°F
- PFC – range highly damped for wide band use
- FCG – range Medium damped for medium bandwidth use
- Ceramic wear face and steel wear ring for prolonged service life



Common Applications

- Castings / Forgings / Thickness surveys

Transducer Models				
Product Code	Description	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
PFC501	1MHz ½" Fingertip	1	12.7mm / ½"	6.8mm / 0.268"
PFC2525	2.25MHz ¼" Fingertip	2.25	6.4mm / ¼"	3.9mm / 0.154"
PFC3725	2.25MHz ⅜" Fingertip	2.25	9.5mm / ⅜"	8.5mm / 0.335"
PFC5025	2.25MHz ½" Fingertip	2.25	12.7mm / ½"	15.2mm / 0.598"
PFC1250	5MHz ⅛" Fingertip	5	3.2mm / ⅛"	2.1mm / 0.083"
PFC2550	5MHz ¼" Fingertip	5	6.4mm / ¼"	8.6mm / 0.339"
PFC3750	5MHz ⅜" Fingertip	5	9.5mm / ⅜"	18.9mm / 0.744"
PFC5050	5MHz ½" Fingertip	5	12.7mm / ½"	33.8mm / 1.331"
PFC1210	10MHz ⅛" Fingertip	10	3.2mm / ⅛"	4.3mm / 0.169"
PFC2510	10MHz ¼" Fingertip	10	6.4mm / ¼"	17.2mm / 0.677"
FCG2525	2.25MHz ¼" Fingertip	2.25	6.4mm / ¼"	3.9mm / 0.154"
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FCG2510	10MHz ¼" Fingertip	10	6.4mm / ¼"	17.2mm / 0.677"
FCG3710	10MHz ⅜" Fingertip	10	9.5mm / ⅜"	37.9mm / 1.492"
FCG5010	10MHz ½" Fingertip	10	12.7mm / ½"	67.7mm / 2.665"
FCG1220	20MHz ⅛" Fingertip	20	3.2mm / ⅛"	8.6mm / 0.339"

Case Dimensions and Details				
Transducer Version	"Width/Diameter (mm / Inches)"	"Height (mm / Inches)"	Connector Options	Position Options
3.2mm / ⅛"	13mm / 0.512"	22mm / 0.866"	D S	Side
6.4mm / ¼"	14mm / 0.551"	26mm / 1.024"	D S	Side
9.5mm / ⅜"	16mm / 0.63"	28mm / 1.102"	D S	Side
12.7mm / ½"	19mm / 0.748"	28mm / 1.102"	D S	Side



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Leading Ultrasonics