



FCG & PFC

'Fingertip' Transducers

Features

- Fingertip 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

COMPRESSION TRANSDUCERS

Transducer Models				
Product Code	Description	Frequency (MHz)	Crystal Diameter (mm / Inches)	Nearfield Length in Steel (mm / Inches)
PFC501	1MHz 1/2" Fingertip	1	12.7mm / 1/2"	6.8mm / 0.268"
PFC2525	2.25MHz 1/4" Fingertip	2.25	6.4mm / 1/4"	3.9mm / 0.154"
PFC3725	2.25MHz 3/8" Fingertip	2.25	9.5mm / 3/8"	8.5mm / 0.335"
PFC5025	2.25MHz 1/2" Fingertip	2.25	12.7mm / 1/2"	15.2mm / 0.598"
PFC1250	5MHz 1/8" Fingertip	5	3.2mm / 1/8"	2.1mm / 0.083"
PFC2550	5MHz 1/4" Fingertip	5	6.4mm / 1/4"	8.6mm / 0.339"
PFC3750	5MHz 3/8" Fingertip	5	9.5mm / 3/8"	18.9mm / 0.744"
PFC5050	5MHz 1/2" Fingertip	5	12.7mm / 1/2"	33.8mm / 1.331"
PFC1210	10MHz 1/8" Fingertip	10	3.2mm / 1/8"	4.3mm / 0.169"
PFC2510	10MHz 1/4" Fingertip	10	6.4mm / 1/4"	17.2mm / 0.677"
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FCG2510	10MHz 1/4" Fingertip	10	6.4mm / 1/4"	17.2mm / 0.677"
FCG3710	10MHz 3/8" Fingertip	10	9.5mm / 3/8"	37.9mm / 1.492"
FCG5010	10MHz 1/2" Fingertip	10	12.7mm / 1/2"	67.7mm / 2.665"
FCG1220	20MHz 1/8" Fingertip	20	3.2mm / 1/8"	8.6mm / 0.339"

Case Dimensions and Details				
Transducer Version	"Width/Diameter (mm / Inches)"	"Height (mm / Inches)"	Connector Options	Position Options
3.2mm / 1/8"	13mm / 0.512"	22mm / 0.866"	D S	Side
6.4mm / 1/4"	14mm / 0.551"	26mm / 1.024"	D S	Side
9.5mm / 3/8"	16mm / 0.63"	28mm / 1.102"	D S	Side
12.7mm / 1/2"	19mm / 0.748"	28mm / 1.102"	D S	Side

