

# Pinducers™

CTS is the first in its industry to introduce the VP-1093 Pinducer and the VP-1063 MiniPin. These miniature transducers are designed for shock wave applications.

## Advantages:

- Direct normal incidence shear waves without angled wedges
- Available in a wide range of frequencies
- Can be utilized with wedges to launch both horizontally or vertically polarized shear waves



## Standard Pinducers

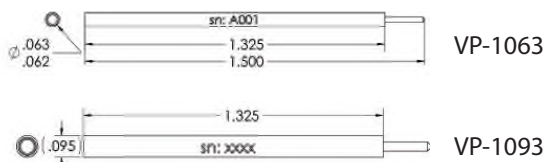
Miniature transducers designed for shock wave applications.

## Advantages:

- Economic pricing structure for standard Pinducers
- Bandwidths of 75% at -6dB are achievable
- Selection of piezoceramic elements available
- Standard pin type or potted coaxial cable available



STANDARD	FREQUENCY (MHz)	CRYSTAL DIAMETER INCHES (mm)
VP-1093	0.001-10.0	0.059 (1.5)
VP-1063	0.001-10.0	0.039 (1.0)



## Performance Pinducers

High Performance Pinducers and MiniPins are offered with elements of 0.053 inch and 0.040 inch diameters, respectively, and are designed with quarter-wave matching layers and dense backings for optimum resolution and sensitivity. They are offered in high resolution (HR) and general purpose (GP) with frequencies from 5.0MHz to 20MHz.



PERFORMANCE	FREQUENCY (MHz)	CRYSTAL DIAMETER INCHES (mm)
VP-0.5	0.001-10.0	0.019 (0.5)
VP-1	0.001-10.0	0.039 (1.0)
VP-1.5	0.001-10.0	0.059 (1.5)
VP-3	0.001-10.0	0.11 (3.0)

