

## DUAL-ELEMENT STRAIGHT PROBES

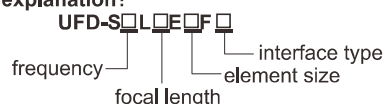
CUSTOMIZABLE

- Suitable for detecting defects near the surface and detecting parallel surfaces or near-parallel surfaces
- Two element, one transmitter and one receiver
- Vertical incident longitudinal wave detection by direct probe contact with the workpiece surface
- The contact surface is made of hard wear-resistant material, which matches well with the metal acoustic impedance, high sensitivity and strong penetration
- High near-surface resolution, small blind zones
- Higher sensitivity can be obtained in the focal length range



UFD-S6L1E1F1

### Code explanation :



### Code example :

|              |                      |
|--------------|----------------------|
| UFD-S6L1E1F1 | S6-frequency 5.0MHz  |
|              | L1-focal length 5mm  |
|              | E1-element size Ø6mm |
|              | F1-interface type C6 |

### Optional probe connector plug type



### SPECIFICATION

| Frequency                                 | Focal length | Element size | Casing dimension<br>(L×W×H) | Interface type |
|-------------------------------------------|--------------|--------------|-----------------------------|----------------|
| 5.0MHz (S6)                               | 5mm (L1)     | Ø6mm (E1)    | 33×24×10mm                  | C6 (F1)        |
|                                           | 10mm (L2)    |              |                             |                |
|                                           | 15mm (L3)    |              |                             |                |
|                                           | 20mm (L4)    |              |                             |                |
|                                           | 25mm (L5)    |              |                             |                |
|                                           | 30mm (L6)    |              |                             |                |
| 2.5MHz (S4)<br>5.0MHz (S6)                | 5mm (L1)     | Ø10mm (E2)   | 31×24×13mm                  |                |
|                                           | 10mm (L2)    |              |                             |                |
|                                           | 15mm (L3)    |              |                             |                |
|                                           | 20mm (L4)    |              |                             |                |
|                                           | 25mm (L5)    |              |                             |                |
|                                           | 30mm (L6)    |              |                             |                |
| 2.5MHz (S4)<br>5.0MHz (S6)                | 5mm (L1)     | Ø14mm (E3)   | 33×25×18mm                  |                |
|                                           | 10mm (L2)    |              |                             |                |
|                                           | 15mm (L3)    |              |                             |                |
|                                           | 20mm (L4)    |              |                             |                |
|                                           | 25mm (L5)    |              |                             |                |
|                                           | 30mm (L6)    |              |                             |                |
| 1.0MHz (S1)<br>2.5MHz (S4)<br>5.0MHz (S6) | 5mm (L1)     | Ø20mm (E4)   | 33×30×24mm                  |                |
|                                           | 10mm (L2)    |              |                             |                |
|                                           | 15mm (L3)    |              |                             |                |
|                                           | 20mm (L4)    |              |                             |                |
|                                           | 25mm (L5)    |              |                             |                |
|                                           | 30mm (L6)    |              |                             |                |

**SPECIFICATION**

| Frequency                                                | Focal length | Element size  | Casing dimension<br>(L×W×H) | Interface type |
|----------------------------------------------------------|--------------|---------------|-----------------------------|----------------|
| 2.0MHz (S3)<br>4.0MHz (S5)<br>5.0MHz (S6)                | 5mm (L1)     | 3.5×10mm (E5) | 44×25×14mm                  | C5 (F3)        |
|                                                          | 10mm (L2)    |               |                             |                |
|                                                          | 15mm (L3)    |               |                             |                |
|                                                          | 20mm (L4)    |               |                             |                |
|                                                          | 25mm (L5)    |               |                             |                |
|                                                          | 30mm (L6)    |               |                             |                |
| 1.0MHz (S1)<br>2.0MHz (S3)<br>4.0MHz (S5)<br>5.0MHz (S6) | 5mm (L1)     | Ø20mm (E6)    | 50×35×23mm                  |                |
|                                                          | 10mm (L2)    |               |                             |                |
|                                                          | 15mm (L3)    |               |                             |                |
|                                                          | 20mm (L4)    |               |                             |                |
|                                                          | 25mm (L5)    |               |                             |                |
|                                                          | 30mm (L6)    |               |                             |                |
| 1.0MHz (S1)<br>2.0MHz (S3)<br>4.0MHz (S5)                | 5mm (L1)     | 7×10mm (E7)   | 67×44×28mm                  |                |
|                                                          | 10mm (L2)    |               |                             |                |
|                                                          | 15mm (L3)    |               |                             |                |
|                                                          | 20mm (L4)    |               |                             |                |
|                                                          | 25mm (L5)    |               |                             |                |
|                                                          | 30mm (L6)    |               |                             |                |

**STANDARD DELIVERY**

|       |     |
|-------|-----|
| Probe | 1pc |
|-------|-----|

**OPTIONAL PROBE WIRE**

| Code     | Probe connector plug type |
|----------|---------------------------|
| UFD-PC02 | C5-Q9                     |
| UFD-PC03 | C6-Q9                     |