

B13 Slim-Design Diamond Detector

The **Slim-Design Diamond Detector** has an extremely compact and robust enclosure for applications in pipes with an inner diameter of 1/2 inch. CIVIDEC designed the packaging for optimal RF protection and against EMI pickup. The Slim-Design Diamond Detector is mechanically very robust and easy to install.

The Slim-Design Diamond Detector was developed for applications in high-radiation environments of nuclear facilities like in ITER and for spent-fuel diagnostics.

Parameters:

| | |
|--------------|--------------------------|
| Sensor: | sCVD diamond |
| Sensor size: | 4.5 mm x 4.5 mm x 500 µm |
| Perimeter: | 1/2 inch in diameter |



Housing:

| | |
|-----------------|----------------------|
| Packaging size: | 54 mm x 10 mm x 8 mm |
| Connector: | SMA |
| PCB material: | FR4 |

Options:

- This detector is available for 10 mm perimeter
- This detector is available for high-temperature operation up to 500 K.