



DIAMOND RADIATION DETECTOR CATALOG

SMA barrel mounted detectors



These detectors consist of a diamond element mounted within an SMA hermetically sealed barrel vacuum feedthrough. Detector element sizes of 1 mm x 1 mm x 0.5 mm thick (Part No. DRD101005-SMA-HBFF), 1 mm x 1 mm x 1 mm thick (Part No. DRD101010-SMA-HBFF), 3 mm x 1 mm x 0.5 mm thick (Part No. DRD301005-SMA-HBFF) and 3 mm x 1 mm x 1 mm thick (Part No. DRD301010-SMA-HBFF) are available. These detectors are suitable for UV and soft x-ray (up to ~15 keV) measurements.

SMA bremsstrahlung detectors



These detectors consist of a diamond element mounted to SMA PC board connector mount with a pair of thin metal ribbons. The detector optic axis at 90° is at the SMA connector axis. The metal ribbon mount is utilized to allow for the shielding of all metal and plastic parts of the mount from radiation to eliminate spurious signals when used to measure bremsstrahlung radiation. The detector element size is 3 mm x 1 mm x 0.5 mm thick (Part No. DRD301005-SMA-FPCSC). These detectors are suitable for UV, x-ray, gamma radiation and electron beam measurements.

For more information, to inquire about mounts or sizes not listed here e-mail Krishnan@aasc.net.