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## Description

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### 6 Requirements for Customer Furnished Filters for use in InfraTec Detectors

- Filters already cut to size are preferred. **The correct size and tolerances for each detector type can be found in the datasheets ('Filter sizes')**. Standard thickness for all filters is 0.50+0.20/-0.10 mm. **The thickness range of (0.70 ... 1.10) mm can be used for most of our detectors on request. Please confirm with InfraTec before ordering.**
- Filter quantity required
  - Production orders: Desired quantity +10 %
  - Sample orders under 10 pcs: 2-3 additional filters
- Preferred packaging for the filters
  - Waffle tray
  - Wafer tape (blue tape foil)
- Filters provided must be clean without any ink point or other marking. Cleanliness is required for good adhesion and sealing of the filters to the pyroelectric detector package.

InfraTec offers the option to assemble customer furnished filters supplied uncut in wafer format for production orders. Wafers can be cut for an additional charge. InfraTec cannot assume liability for peeling or chipping of filter layers or other problems that might occur during cutting. Please note that filters coated on germanium or hard substrates such as sapphire and quartz have an increased risk of damage during the cutting process.

#### **Please note:**

InfraTec limits the incoming inspection of customer furnished filters to a visual check and the identification of the Center Wavelength (CWL) and the Half Power Bandwidth (HPBW). The customer together with his filter supplier shall supervise the compliance of the filter specification.

InfraTec has extensive experience in filter treatment. InfraTec cannot assume liability for any filter damage that may occur during processing.

Please contact us if you have any questions.

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