

Custom Filters

Requirements for Custom Filters for use in Pyroelectric, Thermopile, Lead Selenide (PbSe) and Lead Salt (PbS) Detectors:

Electro Optical Components offers a complete range of narrow band pass (NBP), wide band pass (WBP), short wave pass (SWP) and long wave pass (LWP) filters for detector applications. [\(See IR Filters for details\)](#)

Filters already cut to size are preferred. Standard thickness for all filters is **0.60 +0.1/-0.2 mm**. The thickness range of 0.70 ... 1.10 mm can be used.

Filter Quantity Required:

Production orders: Desired quantity +10%
Sample orders under 10pcs: 2-3 additional filters

Preferred packaging for the filters:

Waffle tray or
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.

The manufacturer offers the option to assemble customer furnished filters supplied uncut in wafer format for production orders. Wafers can be cut for an additional charge. The manufacturer 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:

The manufacturer limits the incoming inspection of the customer furnished filters to a visual check and the identification of the Center Wavelength (CWL) and the Half Power Bandwidth (HPBW). The filter manufacturer must certify specification requirements.

The manufacturer cannot assume liability for any filter damage that may occur.

Please contact us if you have any questions.

[EOC Infrared \(IR\) Filter Options](#)



Electro Optical Components, Inc.

5460 Skylane Boulevard, Santa Rosa, CA 95403
Phone: (707) 568-1642 • FAX: (707) 568-1652
www.eoc-inc.com