

ARTISAN®
TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

Artisan Technology Group
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Full-service, independent repair center
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Expert team | Trust guarantee | 100% satisfaction

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Standard Catalog Bandpass Filters

Features

- A standard range of products is available from our extensive inventory.
- Standard center wavelengths available from 206nm to 1550nm.
- Typical bandwidths (isolation band) range from 1nm to 70nm.
- Superior in-band transmission and out-of-band blocking.
- Scribed and laminated construction provides a glass-epoxy-glass seal. This construction results in an excellent hermetic seal, preventing the ingress of moisture which causes premature filter failure.
- Humidity Resistance: MIL-STD-810E Method 507.3 Procedure III modified to 5 cycles

Benefits

- Cost effective design and manufacturing solutions for industry.
- Excellent signal discrimination.
- Increased lifetime in variable climatic conditions.
- Consistent, reliable quality.

Common Specifications

Size	Min. Active Area
-A=12.7mm	7.6mm dia.
-F=25.4mm	20.2mm dia.
-R=50.8mm	45.5mm dia.
-S=50.8mm	45.5mm dia.

Size Tolerance: +0.0mm to 0.5mm

Thickness: 2.0mm to 7.6mm

Surface / Coating Quality: 80/50; F/F per MIL-F-48616

Rejection, Spectral: 0.01% / 10-4 or 0.001% / 10-5
X-Ray to far IR

Operating Temperature: -50°C to +100°C

Humidity: MIL-STD-810E, Method 507.3
Procedure III, modified to 5 cycles

Bandpass filters transmit with high efficiency a particular wavelength band while rejecting by absorption or reflection the out-of-band energy. They are the simplest and most cost effective way to transmit a well-defined band of light. Compared with a grating monochromatic system, the cost of bandpass filters is usually significantly lower, and performance comparable, if not better, in terms of in-band transmission and out-of-band rejection.

Corion offers a wide range of standard components from our extensive inventory as well as a complete design, engineering, and manufacturing service for the specific needs of the original equipment manufacturer.

Stock Bandpass Filter Summary

SERIES	BANDWIDTH	STANDARD
P_1 & D_1	1nm	488.0, 514.5 & 632.8
P3	3nm	632.8
SD4	4nm	1064nm
G10	10nm	250nm through 300nm, 10mm increments Additional CWL's available
P10	10nm	310nm through 650nm, 10nm increments Additional CWL's available
R10	10nm	1300nm, 1550nm
S10	10nm	400nm through 1000nm, 10nm increments Additional CWL's available
SD10	10nm	905nm and 1064nm
G25	25nm	206, 214, 228, 232, 239, 253.7, 280, 295, and 313nm
S25	25nm	400nm through 1000nm, 50nm increments
SD25	25nm	905nm and 1064nm
R30	30nm	1100nm through 1300nm, 50nm increments
S40	40nm	400nm through 1000nm, 50nm increments
P70	70nm	400nm through 1000nm, 50nm increments



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Spectra-Physics
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...now includes Corion Filters

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Planning to upgrade your current equipment? Have surplus equipment taking up shelf space? We'll give it a new home.

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Visit us at **artisantg.com** for more info on price quotes, drivers, technical specifications, manuals, and documentation.

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We're here to make your life easier. How can we help you today?

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