

NEW FLOW CELLS

High Quality Synthetic Quartz Flow Cells



OVERVIEW

Hamamatsu provides a wide variety of precision glass products such as flow cells. These are designed and manufactured based on our 50 years of experience in the production of vacuum tubes such as photomultiplier tubes along with our well-established glass processing technology. We welcome your requests for custom products.

FEATURES

- **High dimensional accuracy:** Minimum tolerance ± 0.005 mm
- **Available in various shapes** (polishing, grinding, gas processing, lens bonding)
- **Materials:** Synthetic quartz, black quartz, etc.
- **Custom products with sample inlet/outlet mechanism available**

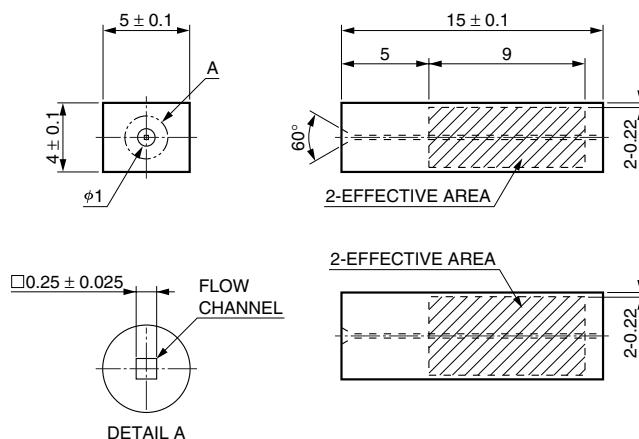
SPECIFICATIONS

Type No.	Shape Type	Material	Flow Channel Size (mm)	Features
J11020-000-001	Standard	Synthetic Quartz	$\square 0.25 \pm 0.025$	Suitable flow channel for detecting minute particles.
-002	Nipple			Standard type with nipple-type outlet.
-003	With lens			Improved light condensing.
-004	With chamber			Gas-processed chamber and orifice. Easy laminar flow.
-005	Plate		Trapezoid *	Easy assembly, and suitable design for sensitive detection and high throughput.
-006	-001 Black quartz	Black Quartz	$\square 1.0 \pm 0.025$	Less stray light

* Upper base: $0.2 \text{ mm} \pm 0.03 \text{ mm}$, Lower base: $0.15 \text{ mm} \pm 0.03 \text{ mm}$, Height: $0.2 \text{ mm} \pm 0.03 \text{ mm}$

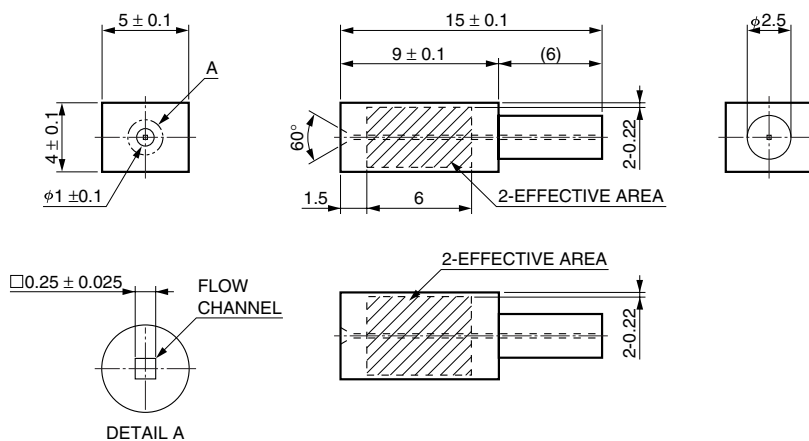
DIMENSIONAL OUTLINES (Unit: mm)

J11020-000-001



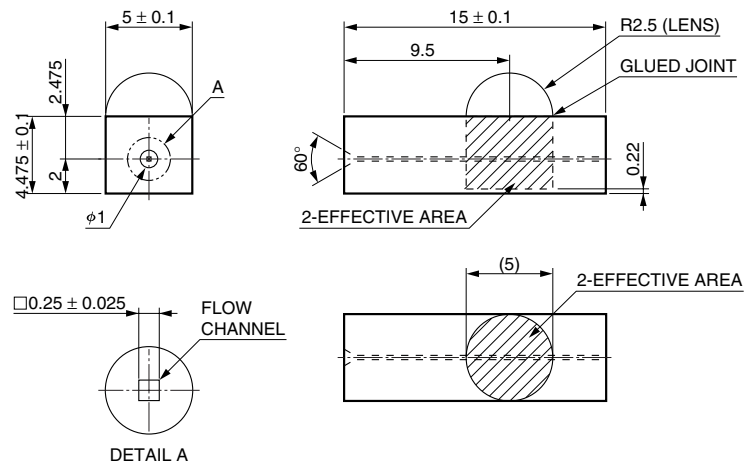
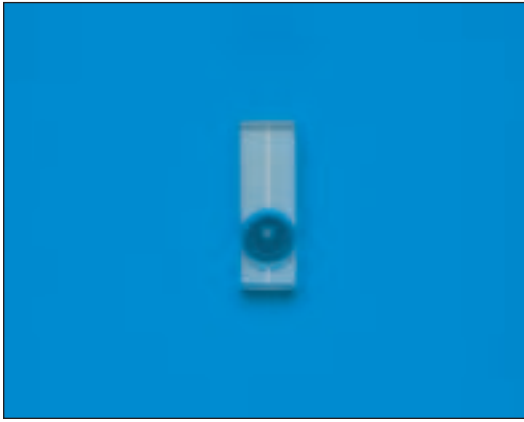
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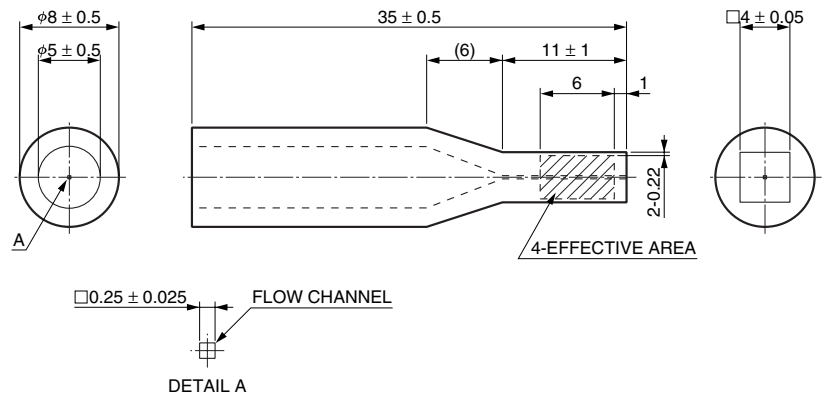
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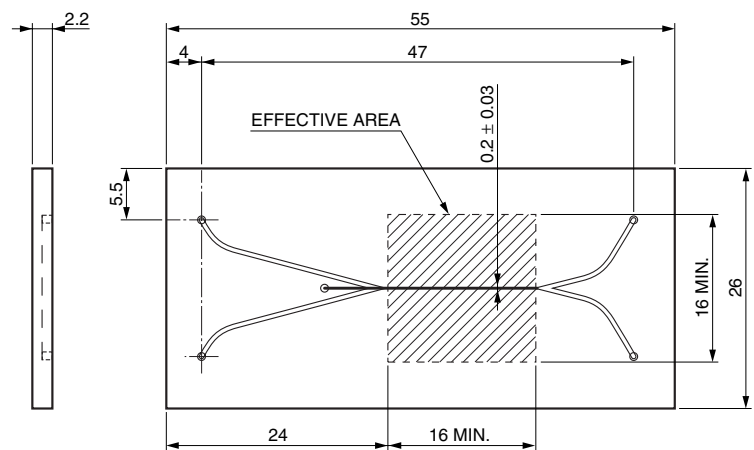
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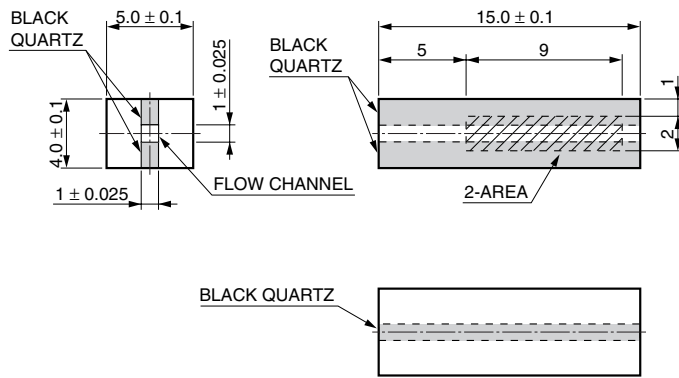


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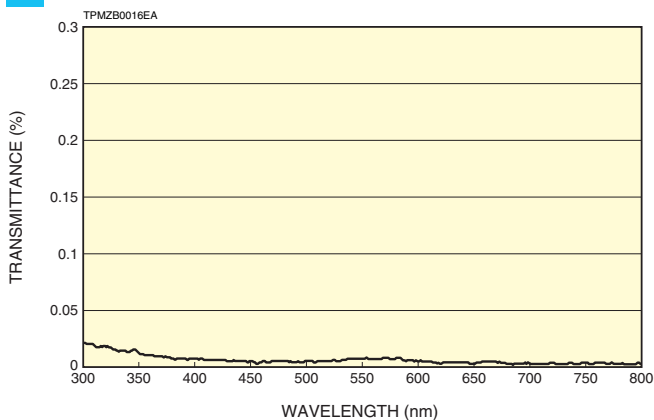


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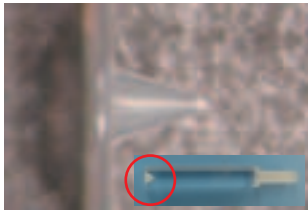
TRANSMITTANCE OF BLACK SYNTHETIC QUARTZ



OPTION

Clear polish inside the taper

Standard
(Frosted surfaces)

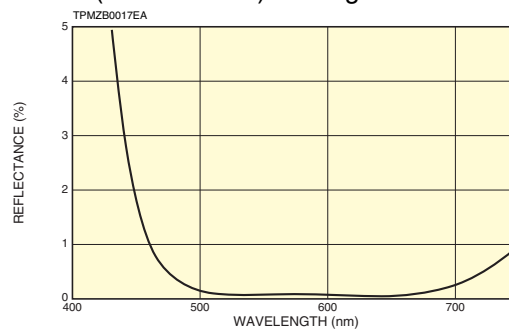


Clear polish



Optical thin film coating

Ex.: AR (Antireflection) coating: reflectance characteristics



Please consult with our sales office for other coating.

Subject to local technical requirements and regulations, availability of products included in this promotional material may vary. Please consult with our sales office.

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