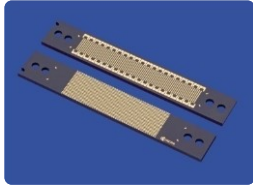
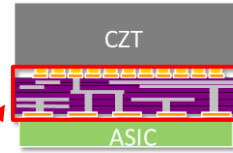


for CT Scanners (Photodetector)

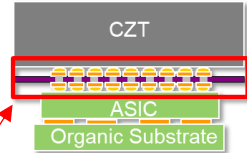


1. CTE Close to Cadmium Zinc Telluride (CZT)

CZT	: 4.8-6.5 ppm
Alumina	: 7.1 ppm
Aluminum Nitride	: 4.7 ppm
2. Surface Flatness : Max.0.05mm /10mmSQ
3. Rigid Material : Less Deformation

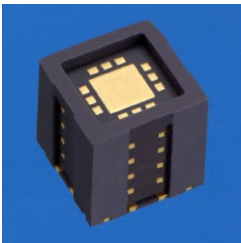


Ceramic package



Ceramic interposer

for Endoscopes

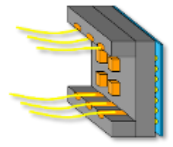


1. Miniaturization : Ultra Small & Thin
2. Unique Structure & Design
3. High Thermal Conductivity
4. Many Mounting Areas Available
5. Water & Moisture Proof

(Miniaturization example)



Organic Substrate



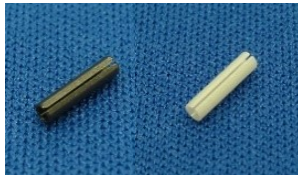
Ceramic Substrate

for Optogenetics Products

Optical Fiber Cannula



Split Sleeve



1. Custom Design Based on Requirement
 - Optical Fiber : Type/Length
 - Zirconia Ferrule : O.D./I.D./Figure
2. Tight Control of Optical Fiber Protrusion (+/-0.1mm)
3. Excellent Light Blocking by Black Zirconia
4. Grooved Design for Improved Retention

for Other Medical Applications

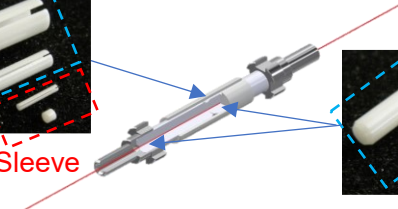


Zirconia

1. Custom Design
 - Inner Diameter ($\phi 0.04\text{mm} \sim$)
 - Outer Diameter ($\phi 0.35 \sim \phi 10\text{mm}$)
 - Length ($\sim 20\text{mm}$ or more)
 - Thickness ($0.05\text{mm} \sim$)
2. Good Concentricity



Micro Sleeve



Micro Ferrule

R0449A-2

More Information on Kyocera Semiconductor Components

For more information on our technology solution, contact us through QR code, or, access our web page at <https://contact.kyocera.co.jp/inquiry/us/sc/input.html>

