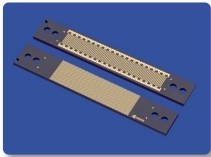
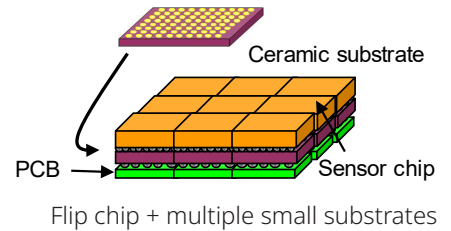


CERAMIC PACKAGING SOLUTIONS FOR MEDICAL APPLICATIONS

FOR CT SCANNERS (PHOTODETECTOR)



- ▶ High flexural strength: 400 MPa
- ▶ Low CTE (7.1 ppm) close to silicon
- ▶ Good thermal conductivity
- ▶ Large size substrate: 130 x 130 mm (max.)
- ▶ Design flexibility with via structure



FOR OPTICAL / NEURAL STIMULATION

Ceramic tube / sleeve



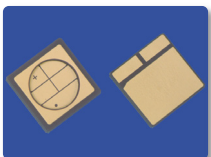
- ▶ Material: Zirconia
- ▶ Resistant to corrosion
- ▶ High dimensional accuracy
- ▶ Color: white / dark gray

Ferrule

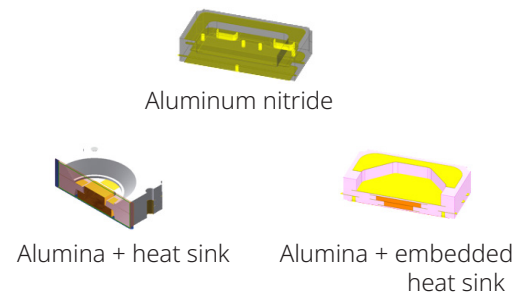


- ▶ Material: Zirconia
- ▶ Resistant to corrosion
- ▶ High dimensional accuracy
- ▶ Custom designs available

FOR UV LED (STERILIZATION)



- ▶ Open tool packages available
- ▶ No degradation from UV light
- ▶ Hermetic structure available
- ▶ High thermal conductivity
 - AlN material: 150 W/mK
 - Heat sink (Cu): 390 W/mK
 - Embedded CuW: 200 W + 17 W/mK



FOR ENDOSCOPES



- ▶ Miniaturization: Ultra small & thin
- ▶ Unique structure & design
- ▶ System in package (SIP)
- ▶ Many mounting area available

