



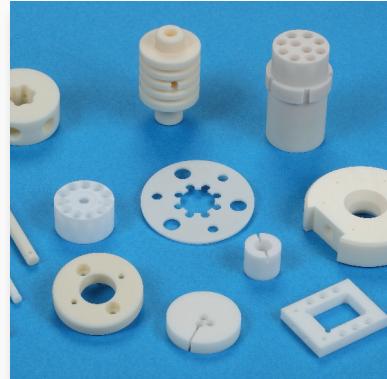
MICROCERTEC

PRECISION CERAMICS FOR THE HIGH-VACUUM



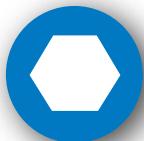
Structural parts & Electrical Insulators

- Alumina, sapphire, zirconia, SiC
- Quartz, glass, Macor™
- High-precision custom-made components
- Clean-room compatible



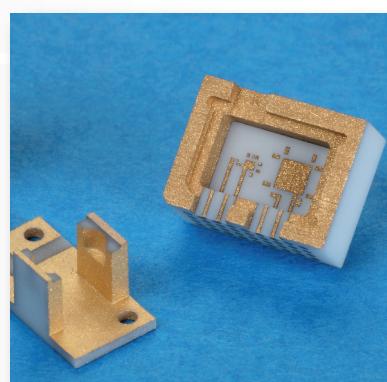
Ceramic-to-metal & Glass-to-metal feedthroughs

- Alumina / glass insulators
- Kovar, stainless steel, molybdenum...
- High voltage & high-current compliant
- Leak tested to 10^{-10} mbar/l/sec



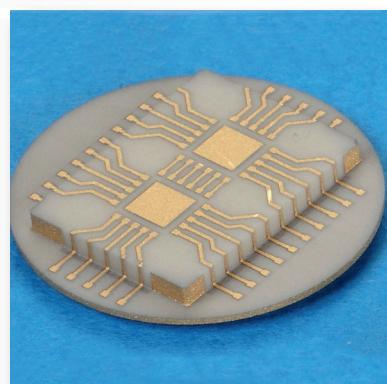
3D Interconnect Devices

- High-precision 3D ceramic carriers : alumina or aluminium nitride
- Thin-film PVD metallization
- Line width and insulation $60\ \mu\text{m}$ minimum
- Fully wrap-over metallized patterns



Applications

- Mass spectrometers
- Surface analysis
- Vacuum measurement
- Magnetic Sensors
- Particle accelerators



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