

RF antennas and coil structures for electro-magnetic field control can be integrated in the LTCC substrate. There-fore, 3D packaging of MEMS, MOEMS and photonic devices is enabled by LTCC.

In this paper, packaging techniques of fiber optical MEMS devices are investigated. A packaging scheme is proposed, which includes the architecture to construct the component package and the ...

This lecture will introduce MOEMS in the context of optical communication and systems, providing a historical perspective and an overview of the current state of the art of this technology.

It is absolutely essential that MEMS and MOEMS packaging moves onto a new plateau of innovation with designs specifically for these mechanical and optical devices that are so different from anything ...

Owing to the remote sensing capabilities of fiber optic sensors, distributed measurements can be realized in harsh combustion environments. In this way, only the sensor arrays are located in the ...

The main difficulties in fiber sensing technologies are optical fiber alignment requirements, high temperature and vibration effects sensitivity, and phase noise. An alternative is the use of ...

MOEMS solutions include optical devices for telecommunication, sensing, and mobile systems such as v-grooves, gratings, shutters, scanners, filters, micromirrors, switches, alignment aids, lens arrays, ...



MOeMS Fiber Optic Sensing and Microsystem Packaging

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