

SolarInvert Energy Solutions

Double glass component embedding



Overview

Is 3D glass panel embedding a good choice for large package applications?

WLFO promises better performance and form factor at lower costs, but current WLFO packages are mold-based and hence are limited to small packages. This paper presents the first demonstration of 3D Glass Panel Embedding (GPE) technology for high-performance large package applications involving heterogeneous integration.

Can glass panel embedding be used for a large body size heterogeneous integration?

This article presents a 3D packaging technology using glass panel embedding (GPE) for high-performance with potential for large body size heterogeneous integration applications.

Is 3D glass panel embedded a viable solution for large body size integration?

By addressing the critical parameters of die drift and surface planarity, this paper presents the first demonstration of a 3D Glass Panel Embedded (GPE) package for large body size integration with better performance, cost, and reliability than existing technologies.

What is 3D glass panel embedded (GPE)?

This paper demonstrates an advanced 3D Glass Panel Embedded (GPE) packages for heterogeneous integration of digital applications requiring high-density interconnections and RF applications with Through-Glass-Vias (TGVs) integrated in the fan-out region.

What is a multi-die-embedded glass package?

Abstract: This article presents a multiple-die-embedded glass package that supports a thermal management solution for millimeter-wave (mmWave) applications. The package includes dies with different thicknesses embedded into isolated cavities created on a single glass substrate.

Is multichip-embedded glass suitable for module-level mmWave applications?

The multichip-embedded glass package exhibits low-loss broadband performance and the ability to integrate thermal solutions, suggesting significant potential for module-level mmWave applications. References is not available for this document.

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Ultra-miniaturized and surface-mountable glass-based ...

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Component carrier with component embedded in cavity and with double

A component carrier includes a base structure with component carrier material and forming a cavity, a component embedded in the cavity, a first electrically insulating layer structure ...

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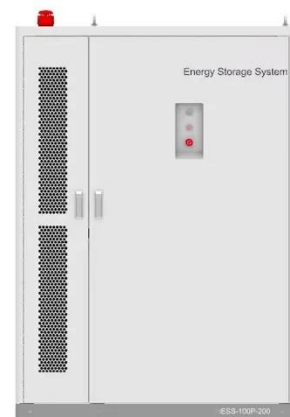
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