

Substrate for Co-Packaged Optics

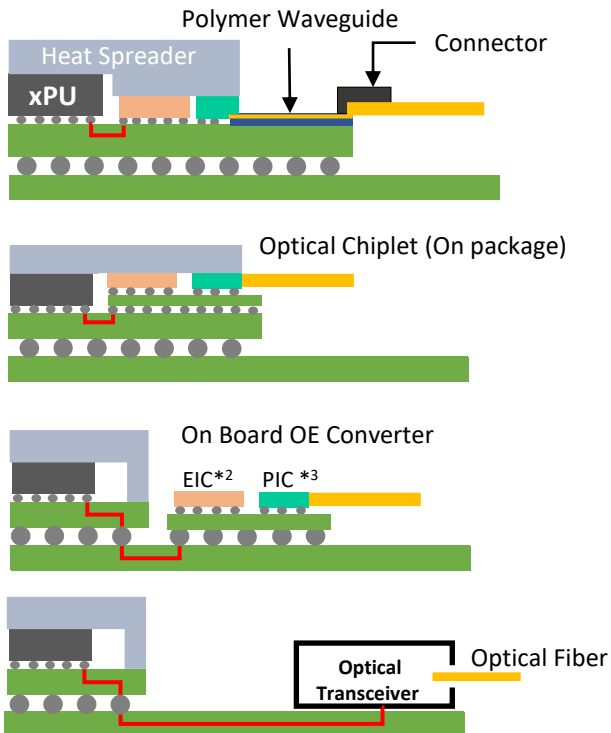
- Under development-

Features

- Substrate with optical waveguides for high-density optical transmission based on SHINKO organic substrate technologies
- SHINKO Optical Polymer Waveguide supports single-mode transmission.

Roadmap

- SHINKO is developing Co-Packaged Optics (CPO) technologies for high-speed, high-bandwidth data transmission with low power consumption.

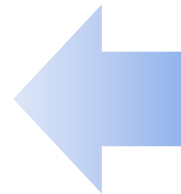


*1 OE : Optical-Electrical

*2 EIC : Electronic IC

*3 PIC : Photonic IC

*4 DLL : Direct Laser & Lamination / DLL is registered trademarks of SHINKO ELECTRIC INDUSTRIES CO., LTD.



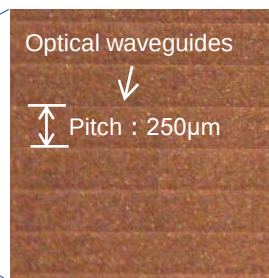
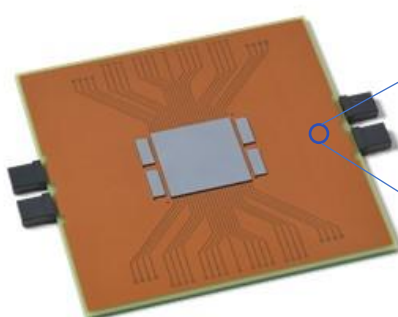
56GHz
PAM4

14GHz
NRZ

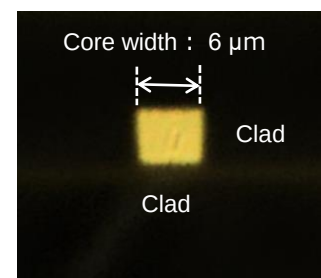


Structure

- Organic substrate with Single-Mode Polymer Optical Waveguides and Copper wires



Top view



Cross section

Single-mode Polymer Optical Waveguides

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お問い合わせは当社Webサイトからお願いいたします。

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