

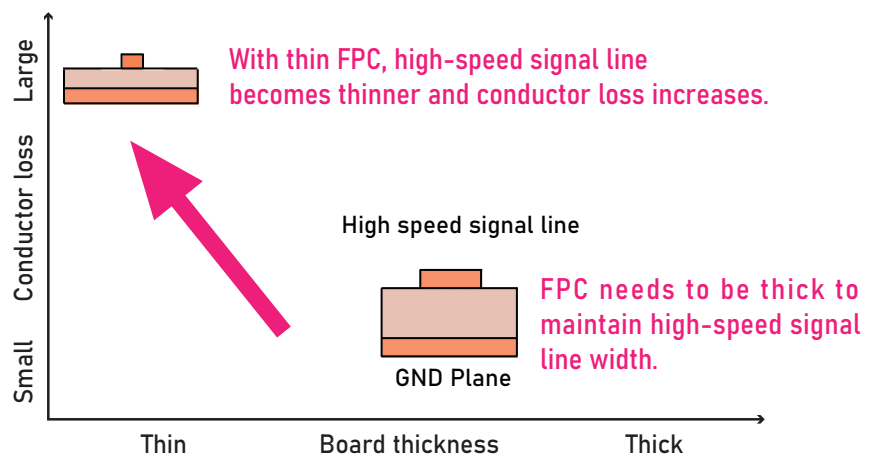
FPCs are expected to be thinner while maintaining transmission characteristics by providing slit design in ground (GND) plane.

Product Characteristics

- This technology under development eliminates the relationship between FPC thickness and conductor loss, a problem of microstripline.
- It has been difficult to maintain the transmission characteristics until now, because the conductor loss increases as the FPC becomes thinner.

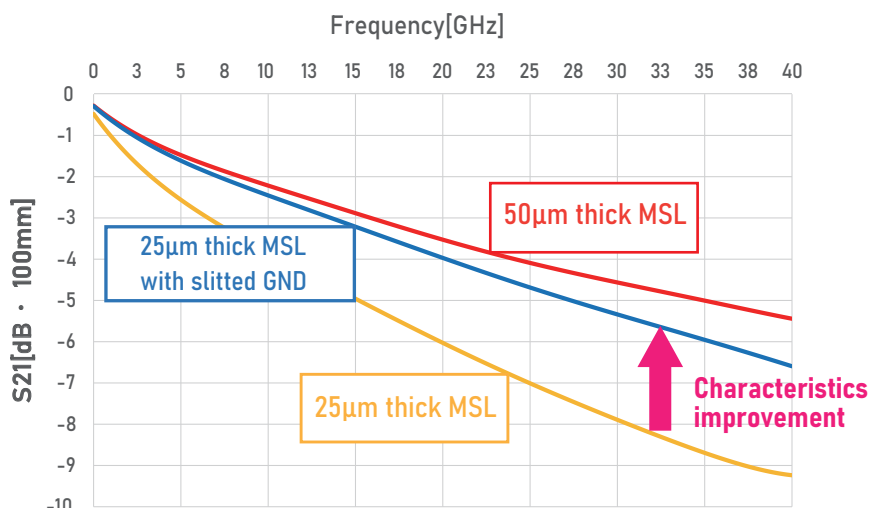
Microstripline (MSL) structural problem

In the conventional structure, reducing the thickness of a FPC results in a thinner high-speed signal width and greater conductor loss, making it difficult to make a FPC thinner while maintaining its transmission characteristics.



Transmission characteristics (S21 measurement)

Provide thinner FPC while maintaining the transmission characteristics!



Slit structure example

