

FIST-FSASA2

FIST field installable splitter sub-assembly

FIST is a Fiber Infrastructure System Technology.

At the heart of the system lies the unique subassembly concept. The FIST-FSASA2 allows integration of splitters in any FIST network element in an easy and cost-effective way.

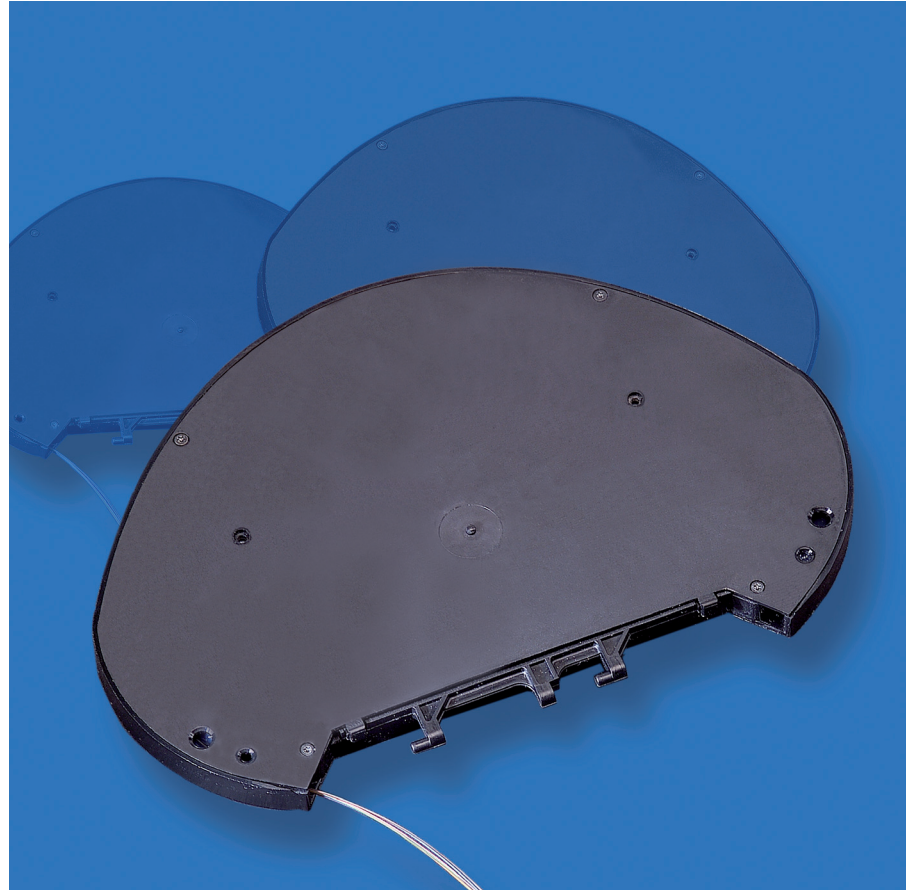
The FIST-FSASA2 passive optical devices are factory mounted in a closed housing which is labeled to indicate the factory measured insertion loss per port.

The splitter tray can be clipped onto the baseplate of a standard single fiber FIST-SOSA2 array of splicing trays which is built into the various FIST network products, e.g. splicing shelves (FIST-GSS2), patching shelves (GMS2), closures (FIST-GCO2, FIST-GCOG2) and boxes (FIST-GB2).

Provision for fiber, device and cable element identification is integrated in the design either by labeling and by using colored fibers.

The splitter components are based on FBT (fused biconic tapered) technology for low split ratio's.

For higher split ratio's, planar waveguide technology is used.



FIST - FSASA2 - XX - XX - X

Configuration - input ports

No. of input ports (1 or 2)

Configuration - output ports

No. of output ports (2 to 64)

Maximum number of integrated splitters

| Split ratio | Grade A | Grade P/O |
|-------------|---------|-----------|
| 1x2 | 10 | - |
| 2x2 | 8 | - |
| 1x3 | 8 | - |
| 1x4 | 5 | 2 |
| 2x4 | 5 | 2 |
| 1x8 | 2 | 2 |
| 2x8 | 2 | 2 |
| 1x16 | - | 2 |
| 2x16 | - | 2 |
| 1x32 | - | 1 |
| 2x32 | - | 1 |
| 1x64 | - | 1 |

In- and output fiber configuration

- L** All fibers at the left side
- R** All fibers at the right side

Type of splitter

- A** Grade A
(FBT technology - for output for ports ≤ 8)
- P** Grade P
(planar component - for output ports ≥ 4)
- O** Grade O
(low loss planar component - for output ports ≥ 4)

Notes

- Specific product names will be assigned on an item by item basis for asymmetrical splitters.
- Please refer to RUD 5257 (grade A) and RUD 5330 (grade P and O) for detailed technical information.
- Some basic rules need to be respected when routing the fibers from the FIST-FSASA2 to the standard splicing trays. Refer to the installation instruction for more details.

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