



FIST-OC-G

FIST patching splitter tray

The patching splitter tray, FIST-OC-G is a mechanical tray assembly for the FIST splitter and fiber management in a rack environment.

The patching splitter tray fits into a FIST-GPS2 sub-rack and houses one or more integrated splitter(s). It has the following functions and features

- Symmetric and asymmetric splitters available
- Variety of input/output configurations
- Connectorized in- and output ports
- Easy re-patching
- Fast installation
- Available with a wide variety of connector types

The splitter components are based on FBT (fused biconic tapered) technology for low split ratios. For higher split ratios, planar waveguide technology is used.

FIST-OC- **G** **X** **X** **X** **X** **XX** **XX** - **XX**

FIST-GPST12 tray

Maximum capacity is 12 standard connectors and theoretically 24 small form factor connectors (sometimes limited due to fiber storage in the splitter module).

Splitter grade

- A** Grade A (FBT component) for output ports ≤ 2
- P** Grade P (planar component) for output ports ≥ 4
- O** Grade O (low loss planar component) for output ports ≥ 4

Number of integrated splitters

The maximum number of integrated splitters is for each configuration (connectorsize, splitter and splitter grade) indicated in the table underneath.

| | Standard connectors | SFF connectors |
|------|---------------------|----------------|
| 1x2 | max. 4 | max. 6 |
| 2x2 | max. 3 | max. 4 |
| 1x4 | max. 2 | max. 4 |
| 2x4 | max. 2 | max. 4 |
| 1x8 | max. 1 | max. 2 |
| 2x8 | max. 1 | max. 2 |
| 1x16 | - | max. 1 |

SFF: small form factor connectors (LC)

Number of splitter inputs

- 1** 1x... splitter
- 2** 2x... splitter, only split ratio 50/50

Tray orientation

- RS** Connector array right, splitter module left
- LS** Connector array left, splitter module left
- RP** Connector array right, patch module left
- LP** Connector array left, patch module left

Connector type

| Min. Return Loss | Connector type | |
|------------------|----------------|-----------|
| | SC | LC |
| 50 dB (UPC) | S1 | L1 |
| 60 dB (APC 8°) | S2 | L2 |
| 60 dB (APC 9°) | S3 | |

Split ratio

| | |
|-----------------------|---------------------|
| 00 Symmetrical | 20 20/80 (*) |
| 05 5/95 (*) | 30 30/70 (*) |
| 10 10/90 (*) | 40 40/60 (*) |

(*) only for 1x2 splitters

Number of outputs per splitter

| | Splitter type |
|----------|-----------------|
| 2 | ...x2 splitter |
| 4 | ...x4 splitter |
| 8 | ...x8 splitter |
| G | ...x16 splitter |

Performance specification

Refer to the TE Connectivity specification RUD 5257 (grade A) and RUD 5330 (grade P and O) for performance information. For a different technology for a certain split ratio, contact your local sales engineer.

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