

## Signia Lite Splitters&Taps 1.3GHz DKTCOMEGA

Product information:

The Signia Lite splitters/Taps series is – naturally – designed to support the extended Docsis 3.1 bandwidth; with flat insertion loss up to 1300 MHz. With reliable performance and superb specifications, this cost-attractive and comprehensive series includes 2-way through to 8-way splitters and 1-way through to 8-way taps.

Lightweight materials are used to allow easy handling. Mounting wings with oval holes provide a choice of vertical or horizontal mounting options, using up to 5mm screws for a durable installation.

All F-connectors are placed on the same side to simplify the cable routing in street cabinets etc. It is also possible to route cables up to 7.5mm thick underneath the splitter.

The F-connector inner clamp is designed to accept any cable with an inner conductor diameter between 0.41 and 1.13mm. The flexibility of the inner clamp ensures a reliable connection even when switching from the thickest to the thinnest cable.

The splitter name, frequency range and all connectors are clearly marked with rugged labels.

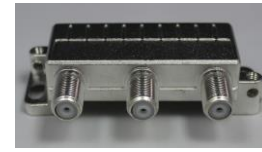
Naturally Docsis 3.1, Capex Optimized

- Class A+10 dB screening attenuation
- support for 1300 MHz
- Cost-effective platform
- Complementary to Signia line
- up to 5mm mounting screw
- Elevated to allow RG6 cable routing
- Return loss: Grade 1 (EN60728-4); Screening att: Class A (EN60728-2); Connectors: F-Female (EN61169-24)

## Signia Lite Splitters

| Type no.       | Dimension/Weight<br>mm/g | Insertion loss |            |            |            | Isolation |         |          |           |
|----------------|--------------------------|----------------|------------|------------|------------|-----------|---------|----------|-----------|
|                |                          | 10-470         | 470-862    | 862-1006   | 1006-1300  | 10-470    | 470-862 | 862-1006 | 1006-1300 |
| <b>SSL 02</b>  | 76,5x21x38/58g           | 3.3            | 3.5        | 3.7        | 4.0        | 34/28     | 30/23   | 29/22    | 24/20     |
| <b>SSL 03</b>  | 120,5x21x38/98g          | 5.2            | 5.6        | 5.8        | 6.2        | 32/25     | 30/22   | 26/20    | 23/18     |
| <b>SSL 03A</b> | 120,5x21x38/98g          | 3.3<br>6.6     | 3.7<br>7.0 | 3.8<br>7.3 | 4.2<br>7.8 | 32/24     | 30/24   | 30/24    | 28/21     |
| <b>SSL 04</b>  | 120,5x21x38/98g          | 6.6            | 7.1        | 7.5        | 7.9        | 35/24     | 30/22   | 30/20    | 30/20     |
| <b>SSL 06</b>  | 208,5x21x38/118g         | 8.4            | 9.0        | 9.4        | 9.9        | 33/23     | 28/20   | 28/20    | 28/18     |
| <b>SSL 08</b>  | 208,5x21x38/118g         | 10.1           | 10.7       | 11.2       | 11.9       | 33/24     | 32/22   | 31/20    | 30/20     |





## Signia Lite 1-way taps

| Type no.        | Tap loss    | Insertion loss |        |         |          | Isolation TAP-OUT |        |         |          |
|-----------------|-------------|----------------|--------|---------|----------|-------------------|--------|---------|----------|
|                 |             | 10-1300        | 10-470 | 470-862 | 862-1006 | 1006-1300         | 10-470 | 470-862 | 862-1006 |
| <b>STL 1-6</b>  | 6.6 (±1.0)  | 2.3            | 2.8    | 3.0     | 3.1      | 27/22             | 22/20  | 22/20   | 22/20    |
| <b>STL 1-8</b>  | 8.3 (±1.0)  | 1.7            | 2.1    | 2.4     | 2.8      | 27/22             | 23/20  | 22/20   | 22/20    |
| <b>STL 1-10</b> | 10.2 (±1.0) | 1.0            | 1.4    | 1.8     | 2.4      | 33/24             | 29/21  | 25/20   | 25/20    |
| <b>STL 1-12</b> | 12.1 (±1.0) | 0.7            | 1.0    | 1.2     | 1.8      | 30/24             | 29/22  | 25/20   | 24/20    |
| <b>STL 1-16</b> | 16.0 (±1.0) | 0.6            | 0.8    | 1.0     | 1.6      | 36/28             | 30/23  | 25/22   | 25/21    |
| <b>STL 1-20</b> | 20.0 (±1.0) | 0.6            | 0.8    | 1.0     | 1.6      | 36/28             | 32/24  | 27/22   | 28/21    |
| <b>STL 1-24</b> | 23.9 (±1.0) | 0.6            | 0.8    | 1.0     | 1.3      | 36/28             | 35/26  | 30/24   | 30/21    |
| <b>STL 1-28</b> | 28.1 (±1.0) | 0.6            | 0.8    | 1.0     | 1.3      | 38/28             | 37/27  | 34/25   | 33/22    |

Dimensions: 76.5x21x38mm/Weight: 58g

## Signia Lite 2-way taps



| Type no.        | Tap loss    | Insertion loss |        |         |          | Isolation TAP-OUT |        |         |          | Isolation TAP-TAP |        |         |          |
|-----------------|-------------|----------------|--------|---------|----------|-------------------|--------|---------|----------|-------------------|--------|---------|----------|
|                 |             | 10-1300        | 10-470 | 470-862 | 862-1006 | 1006-1300         | 10-470 | 470-862 | 862-1006 | 1006-1300         | 10-470 | 470-862 | 862-1006 |
| <b>STL 2-8</b>  | 8.5 (±1.2)  | 3.2            | 3.5    | 3.7     | 3.9      | 35/26             | 30/22  | 24/21   | 24/20    | 31/25             | 31/22  | 27/21   | 27/21    |
| <b>STL 2-10</b> | 10.2 (±1.2) | 1.9            | 2.3    | 2.7     | 3.0      | 35/26             | 30/23  | 27/21   | 27/20    | 35/29             | 34/27  | 31/22   | 31/22    |
| <b>STL 2-12</b> | 12.4 (±1.2) | 1.2            | 1.7    | 2.1     | 2.4      | 36/26             | 30/23  | 28/21   | 27/20    | 40/32             | 38/30  | 36/28   | 34/25    |
| <b>STL 2-16</b> | 16.3 (±1.2) | 1.1            | 1.4    | 1.6     | 2.1      | 38/26             | 30/23  | 29/22   | 27/20    | 45/34             | 38/34  | 36/32   | 36/28    |
| <b>STL 2-20</b> | 20.0 (±1.2) | 1.1            | 1.4    | 1.6     | 2.1      | 42/28             | 35/24  | 31/22   | 27/20    | 60/35             | 52/35  | 46/33   | 43/31    |
| <b>STL 2-24</b> | 24.0 (±1.2) | 1.1            | 1.6    | 1.6     | 2.1      | 44/30             | 37/25  | 33/24   | 29/22    | 64/35             | 60/35  | 51/35   | 49/34    |

Dimensions: 120.5x21x38mm/Weight: 98g

## Signia Lite 4-way taps



| Type no.          | Tap loss       | Insertion loss |         |          |           | Isolation TAP-OUT |         |          |           | Isolation TAP-TAP |         |          |           |
|-------------------|----------------|----------------|---------|----------|-----------|-------------------|---------|----------|-----------|-------------------|---------|----------|-----------|
|                   |                | 10-470         | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 |
|                   | 10-1300        | 10-470         | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 |
| <b>STL 4-12</b>   | 12.4<br>(±1,5) | 3.7            | 3.8     | 4.3      | 5.1       | 32/24             | 31/22   | 27/20    | 25/20     | 48/34             | 43/32   | 40/30    | 38/28     |
| <b>STL 4-16</b>   | 16.5<br>(±1,5) | 2.7            | 2.7     | 2.9      | 3.7       | 34/24             | 31/21   | 27/21    | 25/20     | 50/36             | 45/34   | 42/32    | 40/30     |
| <b>STL 4-20</b>   | 20.0<br>(±1,5) | 1.5            | 1.8     | 2.1      | 2.7       | 40/24             | 29/21   | 27/20    | 27/20     | 52/38             | 47/36   | 45/34    | 43/32     |
| <b>STL 4-24</b>   | 24.1<br>(±1,5) | 1.5            | 1.8     | 2.1      | 2.7       | 43/25             | 40/24   | 33/22    | 29/20     | 54/38             | 49/36   | 47/34    | 45/32     |
| <b>STTL 4-12*</b> | 12.3<br>(±1,5) | -              | -       | -        | -         | -                 | -       | -        | -         | 43/32             | 36/32   | 34/30    | 32/28     |

Dimensions: 142,4.5x21x38mm/Weight: 118g

## Signia Lite 6-way taps



| Type no.          | Tap loss       | Insertion loss |         |          |           | Isolation TAP-OUT |         |          |           | Isolation TAP-TAP |         |          |           |
|-------------------|----------------|----------------|---------|----------|-----------|-------------------|---------|----------|-----------|-------------------|---------|----------|-----------|
|                   |                | 10-470         | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 |
|                   | 10-1300        | 10-470         | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 |
| <b>STTL 6-14*</b> | 14.1<br>(±1,5) | -              | -       | -        | -         | -                 | -       | -        | -         | 40/34             | 40/32   | 38/30    | 34/28     |

Dimensions: 208,5.5x21x38mm/Weight: 178g

## Signia Lite 8-way taps



| Type no.          | Tap loss         | Insertion loss |         |          |           | Isolation TAP-OUT |         |          |           | Isolation TAP-TAP |         |          |           |
|-------------------|------------------|----------------|---------|----------|-----------|-------------------|---------|----------|-----------|-------------------|---------|----------|-----------|
|                   |                  | 10-470         | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 |
|                   | 10-1300          | 10-470         | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 | 10-470            | 470-862 | 862-1006 | 1006-1300 |
| <b>STTL 8-15*</b> | 15.8<br>(±0.1.5) | -              | -       | -        | -         | -                 | -       | -        | -         | 42/36             | 40/32   | 40/30    | 37/28     |

Dimensions: 208,5.5x21x38mm/Weight: 178g

\* STTL Internally terminated, no OUT port