

## 3-way splitter WSP-123/TI

### Features:

- Test & Insertion point



## Description

The WSP-123/TI is a passive wideband splitter. It combines 3 I/O to 1 common port. There is a 20 dB test point and a 20 dB insertion point at the common port.

The unit is supplied with F connectors for the RF and BNC connectors for the test and insertions points. Dimensions of the cassette is 3,5 TE so 24 units can be placed into a standard 19 inch rack. (84TE)

## Specifications V1 mrt 13, 2009

|                   | Port    | Range                       | Min | Typical    | Max     | Units | Remark |
|-------------------|---------|-----------------------------|-----|------------|---------|-------|--------|
| Frequency Range   |         | I/O to Common               | 5   |            | 1000    | MHz   |        |
| Flatness Tap      |         | 862 MHz < F < 1000 MHz      |     |            | +/-1.0  | dB    |        |
|                   |         | 5 MHz < F < 862 MHz         |     |            | +/- 0,5 | dB    |        |
| Connectors        |         | I/O Back Panel              |     | F-female   |         |       | 2      |
|                   |         | Common Back Panel           |     | F-female   |         |       | 2      |
|                   |         | Test point Front Panel      |     | BNC female |         |       |        |
|                   |         | Insertion point Front Panel |     | BNC female |         |       |        |
| Temperature Range |         | operational                 | 10  |            | +55     | °C    |        |
| Humidity Range    |         | Non condensing              | 5   |            | 95      | %     |        |
| EMC               |         | 470 MHz < F < 1000 MHz      | 65  | 75         |         | dB    | 3      |
|                   |         | 300 MHz < F < 470 MHz       | 75  | 80         |         | dB    | 3      |
|                   |         | 5 MHz < F < 300 MHz         | 75  | 85         |         | dB    | 3      |
| Dimensions        | Outline | 3HE x 3,5TE x 70            |     | H x W x D  |         | mm    |        |

## Ordering Information

|            |                    |                 |          |
|------------|--------------------|-----------------|----------|
| WSP-123/TI | 3-way splitter     | Article number: | 11203802 |
| MRO-70     | 19" Mounting Panel | Article number: | 11101070 |

|                       | Port            | Range                   | Min | Typical | Max | Units | Remark |
|-----------------------|-----------------|-------------------------|-----|---------|-----|-------|--------|
| <b>Return Loss</b>    |                 | 40 MHz < F < 1000 MHz   | 20  |         |     | dB    | 1      |
|                       | All ports       | 5 MHz < F < 40 MHz      | 20  |         |     | dB    |        |
| <b>Insertion Loss</b> | Common -> I/O   | 5 MHz < F < 10 MHz      |     |         | 7,5 | dB    |        |
|                       |                 | 10 MHz < F < 600 MHz    |     |         | 7,0 | dB    |        |
|                       |                 | 600 MHz < F < 862 MHz   |     |         | 7,5 | dB    |        |
|                       |                 | 862 MHz < F < 1000 MHz  |     |         | 8,5 | dB    |        |
|                       | Testpoint       | 5-862 MHz w.r.t. Common |     | 20      |     | dB    |        |
|                       | Insertion Point |                         |     | 20      |     | dB    |        |
| <b>Isolation</b>      | Input to Input  | 5 MHz < F < 10 MHz      | 25  |         |     | dB    |        |
|                       |                 | 10 MHz < F < 600 MHz    | 30  |         |     | dB    |        |
|                       |                 | 601 MHz < F < 1000 MHz  | 25  |         |     | dB    |        |
| <b>Vibration test</b> |                 | EN 60068; 2-6 2008      |     |         |     |       |        |
| <b>Marking</b>        |                 | CE / RoHs compliant     |     |         |     |       |        |

| Remarks |   |
|---------|---|
| 1       | At F = 40 MHz F > 40 MHz - 1,5 dB/octave  |
| 2       | F connectors according to IEC 60169-24, acceptable for diameters between 0,58mm through 1,0mm<br>Spacing: F connectors 17 mm BNC connectors 34 mm |
| 3       | According IEC 60728-2; 4.4 (30 - 1000 MHz)<br>IEC 60728-5 (5 - 30 MHz)  |