

Splitter Unit LT-4x1:4/4x1:2

MTS-No.: R69.00.0420-01

Application

This Splitter Unit type LT-4x1:4/4x1:2 has been developed especially for the extension of the MTS Smart Antenna Simulator model SAS-4/4 (MTS-no. 60.90.0310). It will be used as antenna calibration network in the mobile communication test equipment.

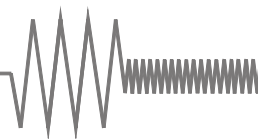
Description

This Splitter Unit with 4 inputs and 4 outputs is equipped with 4x 1/2 splitter and 4x 1/4 splitter. The in- and outputs are combined with fixed attenuators and terminations to a complex network.



Characteristics

- ▶ Usable for all frequencies between 2000 MHz and 4000 MHz
 - ▶ For the extension of the MTS Smart Antenna Simulator model SAS-4/4 (MTS-no. 60.90.0310)
 - ▶ 4 Inputs and 4 outputs
 - ▶ 4x 1/2 splitters and 4x 1/4 splitters
 - ▶ Fixed attenuators and terminations are included for the use as a complex network
- ▶ Splitter Units can be designed according to customers individual requirements.



Splitter Unit LT-4x1:4/4x1:2

MTS-No.: R69.00.0420-01

Configuration:

4 pcs. 1/:2 splitter and 4 pcs. 1/4 splitter with fixed attenuators and terminations combined to a complex network

Technical data

1 RF-specifications:

1.1 Impedance	50 Ω	
1.2 Input power	X12, X22, X32 and X42 max. 37 dBm X11, X21, X31 and X41 max. 40 dBm	
1.3 Frequency range	2000 MHz – 4000 MHz	
1.4 RF-connections	N female	
1.5 VSWR	1,6 : 1 max.	
1.6 Insertion loss	X11 to X12	4 dB max.
	X11 to X21	33 dB max.
	X11 to X31	29 dB max.
	X11 to X41	37 dB max.
	X21 to X22	4 dB max.
	X21 to X11	33 dB max.
	X21 to X31	33 dB max.
	X21 to X41	29 dB max.
	X31 to X32	4 dB max.
	X31 to X11	29 dB max.
	X31 to X21	33 dB max.
	X31 to X41	33 dB max.
X41 to X42	4 dB max.	
X41 to X11	37 dB max.	
X41 to X21	29 dB max.	
X41 to X31	33 dB max.	

2 Connections:

2.1 Front side	RF-connections
----------------	----------------

3 General specifications:

3.1 Operating temperature	0 - +50 °C
3.2 Reference temperature for specifications	+25 °C
3.3 Dimensions	19"-unit x 2 HU x 250 mm (dimensions without handles and connections)
3.4 Colour	Front side: colourless anodized Rear side: ChromitAl (SurTec 650)
3.5 Weight	4,2 kg

4 Delivered parts:

LT-4x1:4/4x1:2
Operating manual (on CD)

5 Comments:

Warranty	12 months
RoHS-compliant	Yes

6 Recommended accessories:

RF-cables
Fixed attenuators
As accessory for Smart Antenna Simulator SAS-4/4 (MTS-No. 60.90.0310)

Views:

