

Subrack Passive Combiner

Ref. 565001



Description

The T.OX Subrack Passive Combiner is a professional quality, passive output combiner designed to seamlessly integrate with the Televes T.OX headend products. It combines the outputs of any modulators, encoders, transmodulators, and processors installed in a T.OX Subrack minimizing the need to use and adjust the internal attenuators in the T.OX modules to balance the system's output.

The T.OX Subrack Passive Combiner provides excellent reliability and performance, high isolation between ports, low insertion loss, and great RFI shielding for minimized egress/ingress interference. The 20 dB front panel test port enables output testing without service interruption, and a convenient front panel cutout eases the cable management of a complete headend.

It is a compact 1 RU, designed for mounting on any standard 19" EIA rack and uses the coax bridge bar connectors provided with the Televes T.OX headend family of products or the coax jumpers provided with the combiner for easy installation.

Features and benefits

- 1 RU (1.75") chassis.
- Front panel cutout for easy input signal cable management.
- 7 "F" female type connector inputs aligned with the outputs of a fully loaded T.OX subrack assembly and adequately spaced so that the coax jumpers provided with the units may be used to feed the combiner.
- Rear "F" female type connector combined output.
- 20 dB front panel test port enabling output testing without service interruption.
- Max. insertion loss: 12 dB @ 1002 Hz (balanced across inputs).

Installation

Install the combiner as per the picture. Properly align the coax bridge bars or cable jumpers provided before tightening the combiner to the rack, in order to achieve the needed distances. When using the aluminum coax bridge bars, make sure the center conductor is straight before connecting them and connect the combiner side first to avoid damaging the barrels on the combiner. Don't exceed 170N-cm/15 lb-in tightening torque for "F" connectors.

Technical specifications

Frequency (MHz)	Max. Insertion Loss (dB)	Min. Isolation (dB)	Test Port (dB)	Input/Output Return Loss (dB)	Impedance
5 - 40	11.5	20	20	> 18	75 Ohms
40 - 450	11.5				
450 - 750	11.8				
750 - 1000	12				



DECLARATION OF CONFORMITY N° 130528122009

Per FCC Part 2 Section 2.1077(a)



Responsible Party Name: Televes S.A.

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Hereby declares that the product

Product Name: Subrack passive combiner T0X

Model Number: 565001

Conforms to the following specifications:

FCC Part 15, Subpart B, Section 15.107(e) and section 15.109(g)

Supplementary Information:

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Representative Person's Name: José L. Fernández Carnero

Signature:

A handwritten signature in black ink, appearing to read 'J. Fernández Carnero', written over a large, stylized circular mark.

Date: 28/5/2013



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