

Analog Output

BNC Transition Module

This functional specification covers model 493.76 modules.

3-March-1999 Rev A

Revision History

3-March-1999 Initial Creation

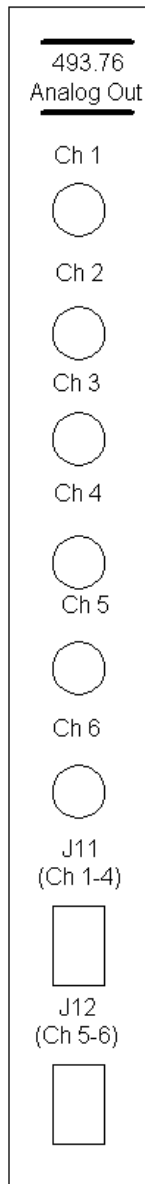
6.1 introduction

The 493.76 Analog Output BNC Transition Module is designed to be an output transition module that is located in the rear card cage of the 493 chassis.

6.2 specifications

Parameter	Specification
Operating environment:	
temperature	50°F (10°C) to 122°F (50°C) ambient
humidity	0 to 85%, non-condensing
air flow	10 CFM
Board size:	
height	9.2 in. (234 mm)
depth	6.3 in. (80 mm)
Weight	5 oz.(.14 kg)
Power	No power needed

6.3 functional description



The front panel of the 493.76 Transition Module (shown in the figure) on the left contains 6 BNC connectors (**J1** to **J6**) and 2 modular phone connectors (**J11 & J12**).

- The module is used as a pass through output board.
- It is a single width 6U x 80 mm module.
- The circuit card has been designed to become an 8 channel version by adding the optional channels' components and using the appropriate front panels.

6.4 connections

Typical Connections

- **J1 to 6 Channel 1 to 8**

The system cables for the analog outputs connect to these 6 BNC connectors.

- **J11 and J12 Outputs Channel 1 to 6**

The output channel data is connected to these two modular phone connectors; channel 1-4 on J11 and channel 5-6 on J12 They will normally be connected to the 493.46 D/A board.

Connectors

- **J1-6**

Pin	Function
1	+Input Channel
2	-Input Channel

- **J11-12**

Pin	Function
1	+Channel 1 (5)
2	-Channel 1 (5)
3	+Channel 2 (6)
4	-Channel 2 (6)
5	+Channel 3 (7)
6	-Channel 3 (7)
7	+Channel 4 (8)
8	-Channel 4 (8)

6.5 list of related drawings

1. Module Assembly: 100-008-986
2. Schematic: 700-000-216
3. PWB: 100-006-436
4. PWA : 100-007-829
5. Cable Assy Transition: 100-006-173