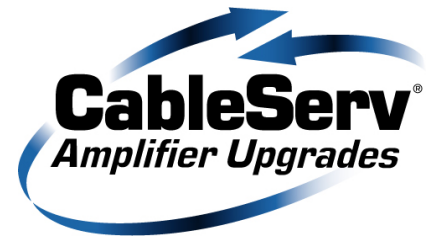


SA Trunk Station to 625 and 750MHz



Product Description

A CableServ Amplifier Upgrade® expands the bandwidth of your existing amplifiers, while retaining amplifier spacing. These two factors combine to allow cable operators to gain additional bandwidth, but at the fraction of the cost of purchasing and installing new amplifiers.

CableServ® has applied this cost saving formula to Scientific Atlanta Trunk Stations, increasing the bandwidth up to 625 or 750 without requiring a change in amplifier spacing*.

The 625 MHz bandwidth upgrade features the necessary modifications to the Trunk and Bridger Modules to operate at 625 MHz in 550 MHz spaced network and utilizes GaAs technology for increased performance. The 750 MHz bandwidth upgrade features two new Trunk and Bridger boards that replace the original boards. Both utilize GaAs Power Doubling Technology and have a list of improvements over the original product.

The upgrade of the cable system's amplifiers is performed at CableServ's facility by a skilled team of CATV technicians equipped with state-of-the art Network Analyzers. CableServ provides field engineering support and services to facilitate the implementation of our forward path upgrade products.

*A system survey is required in order to determine the maximum bandwidth that is achievable in relation to existing amplifier spacing.

Applications

450 or 550 MHz Scientific Atlanta Trunk and Bridger Modules Upgraded to 625 or 750 MHz without requiring re-spacing.



Product Features

- GaAs PHD Technology for maximum performance
- Built-on 42/53 MHz Diplex Filters Eliminates Need to Order Diplex Filters Separately
- Built-on Response Correction Control
- Built-on Interstage Slope and Gain Controls
- 12A Power Passing Capability
- Utilizes either a standard CableServ Padded EQ™ or SA Input Equalizer
- Full 24 month warranty

Product Specifications

PRODUCT MODEL: UPG SA 550 FF TRNKSTATION 750 MHZ					
PARAMETER	Notes	Units	Trunk	Bridger	Rev
Technology			PHD GaAs	PHD GaAs	PP
Passband		MHz	51-750	51-750	5-40
Flatness		+/-dB	+/- 0.5	+/- 0.75	+/- 0.5
Typical Operating Gain	1	dB	34	44	18.5
Noise Figure		dB	9	9	-
Output Level (55/550/750)		dB	33/40/41	38/47/49	40 Flat
Channel Loading	2		78A + 200D	78A + 200D	5
Dynamic Range @ 54 dB C/(N+IM)			-	-	25.5
Distortions (@ Rated Output Level)					
CTB			84	71	77
CSO			78	71	75
Return Loss			-16	-16	-16
Current DC @ 60 Vac		A	0.88		
Current DC @ 50 Vac		A	0.98		
Current DC @ 45 Vac		A	1.05		

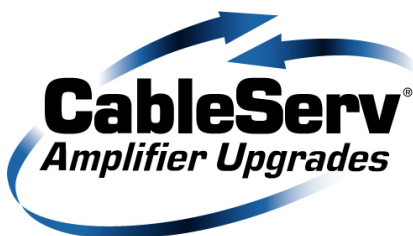
Specifications are subject to change without notice

Notes:

1. With forward EQ and 3 dB AGC reverse. Bridger with forward EQ installed and one-way feeder maker. Reverse at 40 MHz with any slope between 0-10dB.
2. 78 Analog + 200 MHz loading.

Order Information

PRODUCT MODEL	ORDER NUMBER
UPG SA 550MHZ MODULE TO 750MHZ	824-304-203-OCE
UPG SA 550MHZ DUAL BRIDGER TO 750MHZ	824-304-403-OCE



CableServ Inc.
 949 Kamato Rd
 Mississauga, Ontario, Canada L4W 2R5
 Telephone: (905)629-1111
 Fax: (905)629-1115
 E-mail to: inquiries@cableserv.com
 Visit us at www.cableserv.com