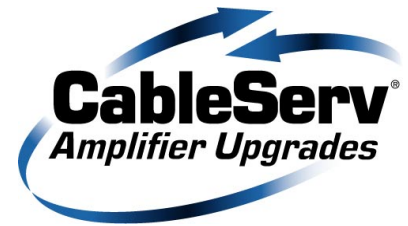


# C-COR SF739 Series Minitrunk 625 & 750 MHz Forward Upgrade



## 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 the 550 MHz SF739 Series Minitrunk, increasing the bandwidth up to 750 MHz without requiring a change in amplifier spacing\*.

The 625 & 750 MHz bandwidth upgrades feature an operational bandwidth at 54 - 625 MHz or 53-750 MHz . Operational gain adjustments are made so you can use your current spacing, making this a drop-in solution that satisfies both the economic and operational needs of your plant investment. Each amplifier module is aligned to ensure flatness across the band and performance equal to or superior to the OEM's original specifications.

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

- 625 MHz C-COR SF739 Minitrunk upgraded to operate in 550 MHz spacing.
- 750 MHz C-COR SF739 Minitrunk upgraded to operate in 550 MHz spacing.



## Product Features

- Forward path upgrade to 625 or 750 MHz allows extra channel capacity and expanded services.
- GaAs Technology for maximum performance.
- Utilizes standard C-COR accessories.
- Full 24 Month Limited Warranty.

## Product Specifications

Product Model: UPG COR SF739 550MHZ TO 750MHZ				
PARAMETER	Notes	Units	Trunk	Reverse
Technology			PHD GaAs	Hybrid
Passband	1	MHz	54-750	5-42
Flatness	1	dB	±0.5	±0.5
Minimum Full Gain	2	±0.5dB	38	20
Operation Gain	3	±0.5dB	34	19.0
Internal station tilt (Factory installed)		dB	7	--
Factory alignment, 3 dB ALC Reserve				
Cable Loss @ 750 MHz		dB	12	--
Flat Loss	4	±0.5dB	22	--
Noise Figure		dB		7
Channel Loading			79	6
Output Level (CH78/CH2)		dBmV	46/39	39/39
CTB		dBc	-72	80
CSO		dB	-66	82
Return Loss		dB	-14	-16
Automatic Level Control				
ALC range @ highest frequency		dB	±2	-
Pilot Frequencies, Recommended		MHz	TBD	--
Pilot Output Level, Recommended		dBmV	TBD	--
DC Voltage ( B+ )		Vdc	24	
DC current @ 24 VDC		mA	915	
AC Current @ 60 VAC		mA	640	
AC Current @ 50 VAC		mA	690	
AC Current @ 45 VAC		mA	730	

Specifications are subject to change without notice.

### NOTES:

- 1) With CableServ Diplex and Reverse Low Pass Filter
- 2) With no ALC reserve and no FW and Reverse EQ installed
- 3) At 750 MHz with 3 dB ALC reserve; FW and Reverse EQ installed
- 4) With 0 dB I/P EQ, 1 dB I/P PAD, 3 dB Gain Reserve.

## Order Information

PRODUCT MODEL	ORDER NUMBER
UPG COR SF739 550MHZ TO 750MHZ	824-405-202-OCE
UPG COR SF739 550 MNTK TO 42/54-625	824-404-502-OCE



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