

PASSIVE MODULES FOR CISCO DEVICES

GENERAL DESCRIPTION

These modules make possible to upgrade Cisco amplifiers for DOCSIS 3.1 work. The return path modules can be equipped either with only low pass filter, or completed with high pass filter and a predefined slope circuit.

CSC-DF DIPLEX FILTER MODULE

TECHNICAL SPECIFICATIONS

General parameters

	CSC-DF85/105	CSC-DF204/258
Breakpoint frequency (return path) [MHz]	85	204
Breakpoint frequency (forward path) [MHz]	105	258
Forward path frequency range [MHz]	105...1218	258...1218
Return path frequency range [MHz]	5...85	5...204
Return loss (forward path) [dB]	>18 (-1.5dB/octave)	
Return loss (return path) [dB]	>18	
Insertion loss [dB]	<1	
Group delay [ns]	15	
Temperature range [°C]	-40...+60	
Compatible types	90070, 90075, 90100, 90300, 93230, 93240, 93250	

ORDERING INFORMATION

C S C - D F X X X / X X X

Breakpoint frequency	
85/105	Breakpoint frequency 85/105MHz
204/258	Breakpoint frequency 204/258MHz



Specifications are subject to change without notice!

CSC2-xDF DIPLEX FILTER MODULE

TECHNICAL SPECIFICATIONS

General parameters

	CSC2-xDF85/105	CSC2-xDF204/258
Breakpoint frequency (return path) [MHz]	85	204
Breakpoint frequency (forward path) [MHz]	105	258
Forward path frequency range [MHz]	105...1218	258...1218
Return path frequency range [MHz]	5...85	5...204
Return loss (forward path) [dB]	>18 (-1.5dB/octave)	
Return loss (return path) [dB]	>18	
Insertion loss [dB]	<1	
Group delay [ns]	15	
Temperature range [°C]	-40...+60	
Compatible types	90200, 90201, 93270, 93280	

ORDERING INFORMATION

C S C 2 - X D F X X X / X X X

Breakpoint frequency	
85/105	Breakpoint frequency 85/105MHz
204/258	Breakpoint frequency 204/258MHz

Topology (see the node's documentation)	
blank	Straight
M	Mirrored



Specifications are subject to change without notice!

CSC-BPF SINGLE REVERSE FILTER MODULE FOR BAND PASS

TECHNICAL SPECIFICATIONS

General parameters	CSC-BPF15-85	CSC-BPF15-204
Frequency range [MHz]	15...85	15...204
Return loss (return path) [dB]		>18
Insertion loss [dB]		<1
Group delay [ns]		15
Temperature range [°C]		-40...+60
Compatible types	90100, 90200, 90201, 90300	

ORDERING INFORMATION

C S C - B P F X X - X X X - E Q X

High pass breakpoint

15	15 MHz
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Low pass breakpoint

85	85 MHz
204	204 MHz

Return path slope

0	0 dB (flat response)
2	2 dB
4	4 dB
8	8dB



Specifications are subject to change without notice!

CSC-LPF SINGLE REVERSE FILTER MODULE FOR LOW PASS

TECHNICAL SPECIFICATIONS

General parameters

	CSC-LPF85	CSC-LPF204
Frequency range [MHz]	5...85	5...204
Return loss (return path) [dB]		>18
Insertion loss [dB]		<1
Group delay [ns]		15
Temperature range [°C]		-40...+60
Compatible types	90100, 90200, 90201, 90300	

ORDERING INFORMATION

C S C - L P F X X X - E Q X

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Low pass breakpoint	
85	85 MHz
204	204 MHz

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Return path slope	
0	0 dB (flat response)
2	2 dB
4	4 dB
8	8dB



Specifications are subject to change without notice!

CSC-EQ REVERSE EQUALIZER MODULE FOR EGC AMPLIFIERS

TECHNICAL SPECIFICATIONS

General parameters	CSC-EQ65	CSC-EQ85	CSC-EQ204
Frequency range [MHz]	5...65	5...85	5...204
Return loss (return path) [dB]		>18	
Insertion loss [dB]		<1	
Temperature range [°C]		-40...+60	
Compatible types	93230, 93240, 93250		

ORDERING INFORMATION

C S C - E Q X X X

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Breakpoint	
65	65 MHz
85	85 MHz
204	204 MHz



Specifications are subject to change without notice!

CSC3-HPF SINGLE FORWARD FILTER MODULE FOR HIGH PASS

TECHNICAL SPECIFICATIONS

General parameters

	CSC3-HPF85	CSC3-HPF105	CSC3-HPF258
Frequency range [MHz]	85...1218	105...1218	258...1218
Return loss (forward path) [dB]	>18 (-1.5dB/octave)		
Insertion loss [dB]	<1		
Temperature range [°C]	-40...+60		
Compatible types	93270, 93280		

ORDERING INFORMATION

C S C 3 - H P F X X X

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Breakpoint frequency	
85	85 MHz
105	105 MHz
258	258 MHz



Specifications are subject to change without notice!