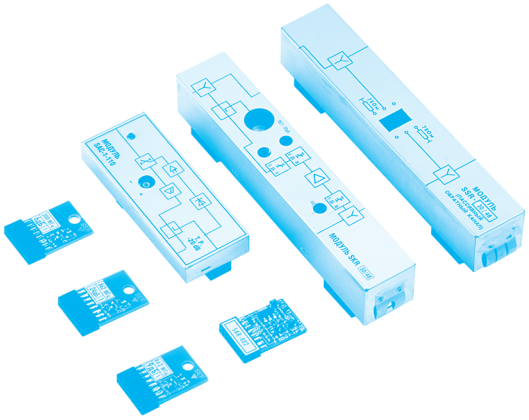
WIDEBAND AMPLIFIER MODULES



CHANGEABLE MODULES

AMPLIFIER MODEL	SD2000	SD1500	SD1200	SU1000	BP-210
POWER SPLITTER MODULES SDM	+	+	+	+	+
EQUALIZER MODULES SEF, SEC, SAF, SCC	+	+	+	-	-
RETURN PATH MODULES SSR, SKR, SLC	+	+	-	-	-
RETURN PATH AMPLIFIER MODULES SAR	-	-	+	+	-
AGC MODULE SAC	+	-	-	-	-

POWER SPLITTER MODULES SDM

VERSION	04	08	12	16	20
Frequency range, MHz			5-862		
Return losses, dB			18		
Insertion loss (OUTPUT 1), dB	4,0	2,5	2,0	1,0	1,0
Tap attenuation (OUTPUT 2), dB	4,0	8,5	12	17,5	20
Isolation (OUTPUT 1 – OUTPUT 2), dB	20	20	25	25	25

FIXED EQUALIZER MODULES on two positions

FIXED EQUALIZER MODULES on two positions		Operating frequency range, MHz	Fixed slope, dB	Cable attenuation, dB	Insertion losses, dB
SEF-862	00/03	5...862	0/3	0/3,7	0/0,5
	03/06	5...862	3/6	3,7/7,4	0,5/0,5
	09/12	5...862	9/12	11/15,3	0,6/0,5
	15/18	5...862	15/18	19,1/23	0,6/0,6
	24/27	5...862	24/27	30/33	0,5/0,5
	00/21	5...862	0/21	0/26,8	0/0,6
SEF-606	03/06	5...606	3/6	3,9/7,8	0,5/0,5
	09/12	5...606	9/12	11,7/15	0,5/0,6
	15/18	5...606	15/18	19,5/23	0,6/0,6
	21/24	5...606	21/24	27,5/31,5	0,6/0,7
SEF-450	03/06	5...450	4/8	0,5	3/6
	09/12	5...450	12/17	0,6	9/12
	15/18	5...450	21/25	0,6	15/18
	21/24	5...450	30/33	0,7	21/24
SEF-350	03/06	5...350	4,7/9,3	0,5/0,5	3/6
	09/12	5...350	13,9/18,5	0,5/0,5	9/12
	15/18	5...350	23,2/27,8	0,6/0,6	15/18
	21/24	5...350	32,4/37,0	0,6/0,7	21/24
SEF-300	03/06	5...300	3/6	4,9/9,7	0,5/0,5
	09/12	5...300	9/12	14,6/19,4	0,5/0,5
	15/18	5...300	15/18	24,3/29,1	0,6/0,6
	21/24	5...300	21/24	33,9/38,8	0,6/0,7

NOTE. It is possible to make equalizers with other attenuation step and ordering with demand characteristics (SCC).

FIXED EQUALIZER MODULES ON TWO POSITIONS SEC-862 (CABLE SIMULATOR)

FIXED EQUALIZER MODULES on two positions SEC-862 (cable simulator)	04/08
Attenuation at frequency	
48 MHz	0
606 MHz	3,5/6,9
862 MHz	4/8

FIXED EQUALIZER MODULES ON FOUR POSITIONS SAF

FIXED EQUALIZER MODULES on four positions SAF	3/6/9/12
Frequency range, MHz	5-862
Attenuation, dB	3/6/9/12

ACTIVE RETURN PATH MODULES

ACTIVE RETURN PATH MODULES	SKR-xx **)
Frequency range, MHz	
- forward path	48-862
- return path	5-65
Gain, dB	20
Input gain control	built-in variable attenuator 10 dB
Output gain control	built-in variable attenuator 10 dB
Slope control	built-in variable corrector 8 dB
Max output level, dBµV, not less	
at IMA III (B) -60 dB	118
at IMA II (B) -60 dB	111
Noise figure, dB, or less	5
Test port signal attenuation, dB	20
Power consumption, W, or less	1,5

POWER SPLITTER MODULES SDM

Passive return path module	SSR-xx **)
Frequency range, MHz *)	
- forward path	48-862
- return path	5-65
Losses, dB, or less	1,5
Return losses	
- forward path, dB, not less	18 (40 MHz)-1,5 dB / octave
- return path, dB, not less	20
Group delay time in channel band	
- forward path, ns, or less	20
- return path, ns, or less	10

POWER SPLITTER MODULES SDM

MODULES WITHOUT RETURN PATH	SLC
Frequency range, MHz	48-862
Losses, dB, or less	0,5
Return losses, dB, or less	18

RETURN PATH SUPPLEMENT AMPLIFIER MODULE

RETURN PATH SUPPLEMENT AMPLIFIER MODULE	
Frequency range, MHz	5-65
Gain, dB	20±1
Flatness, dB	±0,5
Noise figure, dB	5
Max output level, dBµV (65MHz) at IMA III (B) -60dB	118

AGC MODULES

AGC MODULES	SAC-01-x *)	SAC-02-x/y **)
Output level deviation, dB	±0,75	
Gain / slope control range, dB	±4	
Reference channel	1 pilot-signal	2 pilot-signals
Reference channel frequency range, MHz	48 ... 862	48...230/470...862
Operative output level, dBµV	105...115	102 ... 113
Insertion loss, dB	2,5	3/3
Power consumption, W	1	1,9

Note.
*) lower pilot-signal;
**) upper pilot-signal.
It is possible to use as pilot-signal of operation channel or group channels.