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WIDEBAND AMPLIFIERS SSD-1200



Order Configuration for SD1200

Supply	With return path		Without return path
Mains	1200-xx	1201-xx	1201-LC
Remote	1210-xx	1211-xx	1211-LC
Combining	1220-xx	1221-xx	1221-LC
Option #	A	B	C

FORWARD PATH

		A	B	C
Frequency range		48...87-862, 48-862 MHz		48-862 MHz
Input number		1		
Output number		2 (with SDM splitter)		
Gain		32±1 dB	37±1 dB	38±1 dB
Level deviation		±0,5 dB	±0,75 dB	
Input smooth attenuator		0-20 dB	0-20 dB	0-20 dB
Input fixed corrector		SEF, SEC, SAF		
Interstage fixed corrector		SEF, SEC, SAF		
Input/output return loss		18 (40MHz) dB, or better		
Output level DIN 45004 (at 800MHz)	3rd ord. interm. at -60 dB	124 dBμV		126 dBμV
	2nd ord. interm. at -60 dB	115 dBμV		114 dBμV
Output level 42 channels CENELEC	CTB = 60 dB	108		110
	CSO = 60 dB	110		109
Noise figure		7 dB, or less		6 dB, or less
Bi-directional Test Point attenuation		25±1,0 dB		
Hum modulation distance		70 dB		

RETURN PATH

Frequency range	5-30...65 MHz
Return loss,	18 dB, or better
Gain,	10 dB
Level deviation,	±0,5 dB
Input smooth attenuator	0-10 dB
Output smooth attenuator	0-10 dB
Output smooth corrector	0-9 dB
Output level DIN 45004 (at 65MHz)	3rd ord. interm. at -60 dB : 120 dB μ V 2nd ord. interm. at -55 dB : 124 dB μ V
Noise figure	7 dB, or less

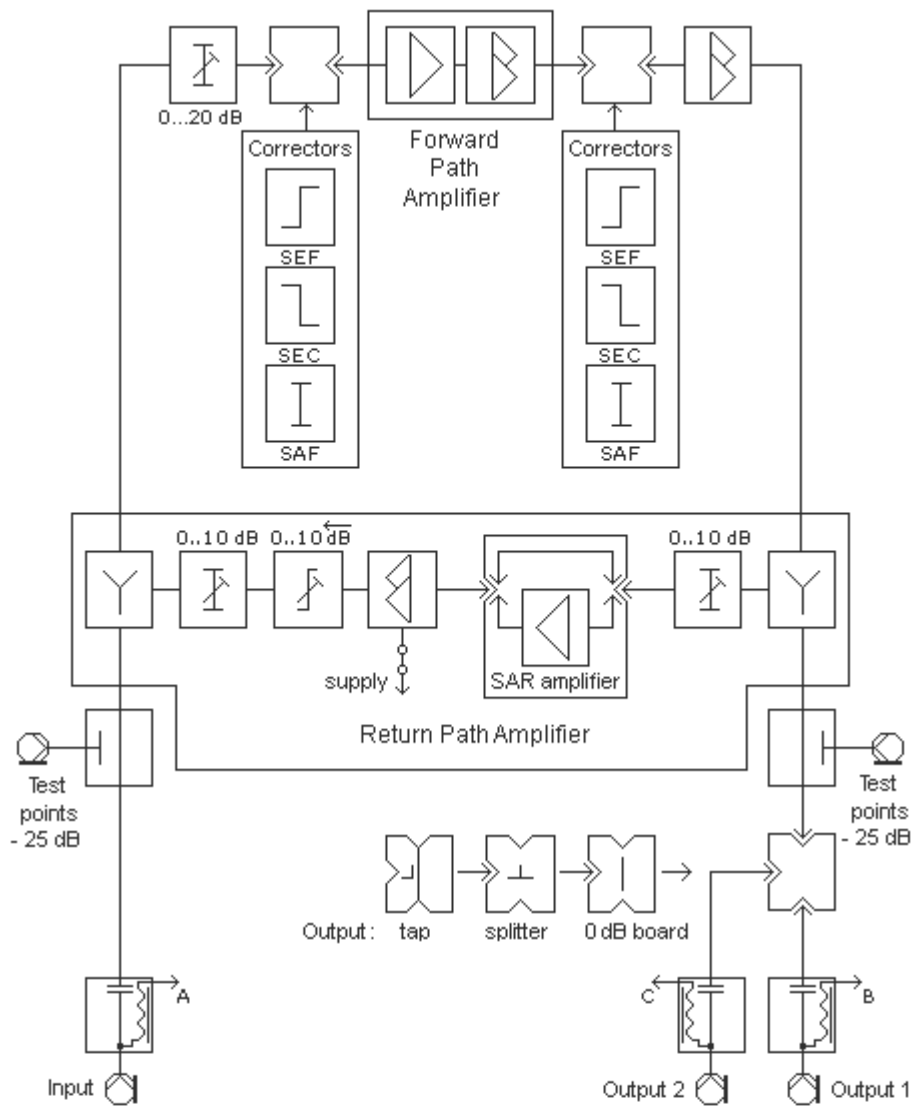
POWER SUPPLY

	A	B	C	
Operating voltage	20 to 65 VAC sinusoidal 25 to 90 VAC rectangular 187 - 242 VAC mains voltage			
Power consumption while mains feeding	9 W	10 W	11 W	
Current consumption while remote feeding	- 24 VAC	400 mA	420 mA	450 mA
	- 42 VAC	220 mA	240 mA	250 mA
	- 65 VAC	150 mA	160 mA	170 mA
Remote current	3 A per RF connection, 6 A laterally			

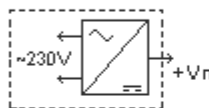
MECHANICAL SPECIFICATION

Dimension, mm	190 x 140 x 100
RF connectors	thread 5/8 "-24
Operating temperature	-20 to +50 °C
Protection class	IP 64
Weight	approx. 1,5 kg

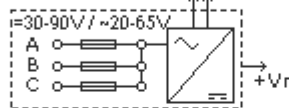
THE BLOCK DIAGRAM SSD-1200



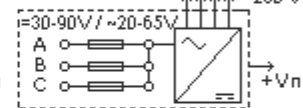
mains power supply



remote power supply



combining power supply



Amplifier



Splitter



Push-Pull Amplifier



Bi-directional Test Point



Variable Attenuator



0 dB through boards



Diplex Filter



Tap



Variable Equalizer



Equalizer



Attenuator



Power Inserter