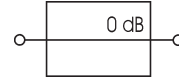




Distribution amplifiers

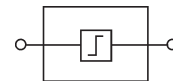
Plug-in modules

Plug-in links



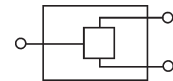
Technical specifications		TYPE	
		pl 01-00	pl 02-00
Ordering number		01859	01860
Attenuation		≤ 0.3 dB	
Return loss*		> 23 dB	

Plug-in equalizers



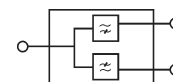
Technical specifications		TYPE		
		pe 03-06	pe 03-09	pe 03-12
Ordering number		01873	01874	01875
Attenuation	47 MHz	6.0 dB	9.0 dB	12.2 dB
	450 MHz	3.0 dB	4.0 dB	5.5 dB
	606 MHz	2.0 dB	2.8 dB	3.8 dB
	862 MHz	0.5 dB	0.6 dB	0.7 dB
Return loss*		> 25 dB		

Plug-in splitters



Technical specifications		TYPE				
		ps 01-03	ps 01-06	ps 01-10	ps 01-14	ps 01-18
Ordering number		01876	01877	01878	01879	01881
Insertion loss (IN-OUT)	5 MHz	3.3 dB	2.0 dB	1.5 dB	1.0 dB	1.0 dB
	47 MHz	3.3 dB	2.0 dB	0.9 dB	0.8 dB	0.8 dB
	862 MHz	3.8 dB	2.8 dB	1.4 dB	1.3 dB	1.3 dB
Tap loss (IN-TAP)	5 MHz	3.3 dB	5.5 dB	10.5 dB	14.0 dB	18.5 dB
	47 MHz	3.3 dB	5.5 dB	10.5 dB	14.5 dB	18.0 dB
	862 MHz	3.8 dB	6.5 dB	10.5 dB	14.5 dB	18.5 dB
Isolation	5-862 MHz	≥ 22 dB	≥ 20 dB	≥ 22 dB	≥ 27 dB	≥ 27 dB
Return loss*		> 23 dB		> 20 dB		

Plug-in diplexers



Technical specifications		TYPE		
		pd 03-30	pd 03-55	pd 03-65
Ordering number		01896	01897	01898
Frequency range	return path	5-30 MHz	5-55 MHz	5-65 MHz
	forward path	47-862 MHz	75-862 MHz	87-862 MHz
Attenuation	5 MHz	≤ 0.3 dB		
		≤ 1.3 dB at 30 MHz	≤ 1.3 dB at 55 MHz	≤ 1.4 dB at 65 MHz
	≤ 1.3 dB at 47 MHz	≤ 1.3 dB at 75 MHz	≤ 1.3 dB at 87 MHz	
	862 MHz	≤ 0.6 dB		
Return loss*		> 20 dB		
Stop band loss		≥ 50 dB		

* at 40 MHz reduction - 1.5 dB/octave

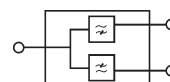


Distribution amplifiers

Plug-in modules

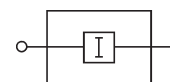
Plug-in diplexers

- ingress blocking



Technical specifications		pd 04-30	pd 04-55	pd 04-65
TYPE				
Ordering number		02800	02801	02802
Frequency range	return path	18-30 MHz	18-55 MHz	18-65 MHz
	forward path	47-862 MHz	75-862 MHz	87-862 MHz
Attenuation	18 MHz	≤ 1.5 dB		
	862 MHz	≤ 1.5 dB at 30 MHz	≤ 1.5 dB at 55 MHz	≤ 1.5 dB at 65 MHz
		≤ 1.3 dB at 47 MHz	≤ 1.3 dB at 75 MHz	≤ 1.4 dB at 87 MHz
Return loss*		> 20 dB		
Stop band loss		≥ 50 dB		

Plug-in interstage attenuators

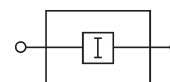


Technical specifications		JXP-0	JXP-1	JXP-2	JXP-3	JXP-4	JXP-5	JXP-6
TYPE								
Ordering number		01844	01835	01846	01836	01847	01837	01848
Frequency range		5-862 MHz						
Attenuation		0 dB	1 dB	2 dB	3 dB	4 dB	5 dB	6 dB
Return loss		≥ 16 dB						

Technical specifications		JXP-7	JXP-8	JXP-9	JXP-10	JXP-11	JXP-12	JXP-13
TYPE								
Ordering number		10865	01827	01849	01800	10866	01829	10867
Frequency range		5-862 MHz						
Attenuation		7 dB	8 dB	9 dB	10 dB	11 dB	12 dB	13 dB
Return loss		≥ 16 dB						

Technical specifications		JXP-14	JXP-15	JXP-16	JXP-17	JXP-18	JXP-19	JXP-20
TYPE								
Ordering number		10868	10869	10870	10871	10872	10873	10874
Frequency range		5-862 MHz						
Attenuation		14 dB	15 dB	16 dB	17 dB	18 dB	19 dB	20 dB
Return loss		≥ 16 dB						

Plug-in thermal attenuators



Technical specifications		JXP-T-1	JXP-T-2	JXP-T-3	JXP-T-4
TYPE					
Ordering number		11835	11836	11837	11838
Attenuation shift in dB per 10°C		-0.04 dB/°C	-0.08 dB/°C	-0.15 dB/°C	-0.23 dB/°C
Attenuation	-20 °C	1.26 dB	2.52 dB	3.98 dB	5.50 dB
	23 °C	1.09 dB	2.18 dB	3.33 dB	4.51 dB
	45 °C	1.00 dB	2.0 dB	3.0 dB	4.0 dB
Return loss		≥ 18 dB	≥ 18 dB	≥ 18 dB	≥ 20 dB

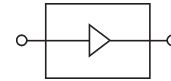
* at 40 MHz reduction - 1.5 dB/octave



Distribution amplifiers

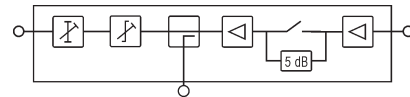
Plug-in modules

Plug-in preamplifier



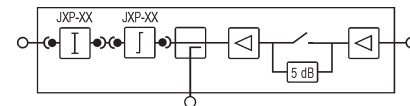
Technical specifications		
T Y P E		pf 01-12
Ordering number		01845
Frequency range		47-862 MHz
Gain		12 dB
Noise figure		4 dB

Plug-in return path amplifiers



Technical specifications				
T Y P E		pr 04-30	pr 04-55	pr 04-65
Ordering number		01891	01893	01894
Frequency range		5-30 MHz	5-55 MHz	5-65 MHz
Gain, switchable			20/25 dB	
Gain adjustment, variable			20 dB	
Slope adjustment, variable			15 dB	
Loss in output test point			-20 ± 0.5 dB	
Output level	IMD3=60 dB (DIN45004B)		118 dB μ V	
	IMD2=60 dB (EN50083-3)		115 dB μ V	
Noise figure			5 dB	

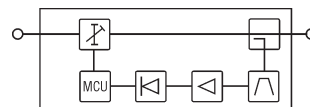
Plug-in return path amplifiers



Technical specifications				
T Y P E		pr 05-30	pr 05-55	pr 05-65
Ordering number		11832	11833	11834
Frequency range		5-30 MHz	5-55 MHz	5-65 MHz
Gain, switchable			20/25 dB	
Gain adjustment in 1 dB step			20 dB	
Slope adjustment in 1 dB step			15 dB	
Loss in output test point			-20 ± 0.5 dB	
Output level	IMD3=60 dB (DIN45004B)		118 dB μ V	
	IMD2=60 dB (EN50083-3)		115 dB μ V	
Noise figure			5 dB	

Plug-in automatic gain control module

- pilot type continuous wave (CW), unmodulated or modulated analog TV signal not scrambled by the sync suppression method



Technical specifications		
T Y P E		pg 01
Ordering number*		
Pilot frequency range		54-862 MHz by step 50 kHz
Control range		-2 ÷ -10 dB
Regulation accuracy		≤ 0.4 dB
Initial loss		6 dB

* ordering number example for pilot frequency 423.25 MHz: pg 01-423.25