

Multiband amplifiers and equaliser filters

Programmable headends

SIG80.. Series

Agile multicluster headends to filter both analogue and digital channels. 10 programmable clusters to filter any channel in the UHF band. 2 or 3 UHF inputs, an input for band I + FM, an input for band III, an input for VHF+UHF bands and one for SAT band (for SIG8010 only) allow all receivable signals to be mixed on a single output.

- Headend programmable on site: one single product can be used in several areas; quick adjustment of the headend if transmitter frequency changes
- Easy to install: power supply, programming unit, filters and amplifier included in one single product
- 10 clusters in the UHF band split over 3 different UHF inputs according to 3 different modes. Each cluster can filter from one to seven adjacent channels
- Wide dynamic range to equalise the signals: recovering large level differences between clusters is possible
- Manual or automatic level equalisation



Dimensions
265x220x95mm

Dimensions
231x185x53mm

General features

Cluster selectivity	dB	10@10MHz
IN/OUT return loss	dB	>10
Test socket	dB	-30
Mains	Vac/VDC	220-240 /15
Power consumption	mA	800 @ 15VDC
Operating temperature	° C	-5 to +50
Noise figure (VHF, UHF, SAT)	dB	5, 6, 9

Item Code	SIG8008 - SIG8010 289484 - 289730							SIG8010 only
	B. I+FM	B. III+DAB	VHF+UHF	UHF1	UHF2	UHF3	SAT	
Inputs	B. I+FM	B. III+DAB	VHF+UHF	UHF1	UHF2	UHF3	SAT	
Frequency	MHz	47-108	174-240	47-240/470-862	470-862	470-862	950-2150	
No. of clusters	Mode 1, 2, 3	-	-	-	2, 2, 2	8, 7, 5	0, 1, 3	
Gain (adj)	dB	35 (20)	40 (20)	40 (20)	55 (30)	55 (30)	55 (30)	
Max. input level	dBµV	80	80	80	80/105 selectable	80/105 selectable	80/105 selectable	
Max. output level	dBµV	118	118	VHF: 118 UHF: 123	123	123	123	
Remote power (max. 100mA total)		no	no	12V	12V	12V	12V	

Item Code	SIG8009 289729					
	B. I+FM	B. III+DAB	UHF1	UHF2	UHF3	
Inputs	B. I+FM	B. III+DAB	UHF1	UHF2	UHF3	
Frequency	MHz	47-108	174-240	470-862	470-862	470-862
No. of clusters	Mode 1, 2, 3	-	-	2, 2, 2	8, 7, 5	0, 1, 3
Gain (adj)	dB	35 (20)	40 (20)	45 (30)	45 (30)	45 (30)
Max. input level	dBµV	80	80	80/105 selectable	80/105 selectable	80/105 selectable
Max. output level	dBµV	116	116	116	116	116
Remote power (max. 100mA total)		no	no	12V	12V	12V

Item Code	SIG8011 289842				
	B. I+FM	B. III+DAB	UHF1	UHF2	
Inputs	B. I+FM	B. III+DAB	UHF1	UHF2	
Frequency	MHz	47-108	174-240	470-862	470-862
No. of clusters	Mode 1, 2, 3	-	-	2, 2, 2	8, 7, 5
Gain (adj)	dB	35 (20)	35 (30)	45 (30)	45 (30)
Max. input level	dBµV	80	80	105	105
Max. output level	dBµV	116	116	116	116
Remote power (max. 100mA total)		no	12V	12V	12V

Item	Code	
MEMOSIG80	289807	Programming key for SIG8008, SIG8009 and SIG8010. Enables the configuration to be copied from one headend to another. It can manage up to 16 different configurations.