

## Compact headend QPSK PAL

## SIG9506 – SIG9506S

## COMPACT LINE



Compact headend for the reception and distribution of 6 digital satellite free-to-air channels.

It can remodulate 6 digital channels into the VHF or UHF band.

Compact headend includes 6 QPSK receivers, 6 A/V modulators, 6-way combiner with existing TV signal mixing, power supply unit and programming unit.

A/V outputs with RCA connectors are available to connect external modulators. Stereo version and PAL B/G standard is available (SIG9506S).

## Characteristics:

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| <ul style="list-style-type: none"> <li>- DSB full band modulator 174-446MHz (ch. E5-S38), 470-862MHz (ch. E21-E69).</li> <li>- Every single receiver can generate 14 or 18V, 22 KHz tone and DiSEqC 1.0, suitable to feed LNB or to control multiswitch output.</li> <li>- Loop through input for the connection of several receivers at the same SAT polarity</li> <li>- Programmable via software.</li> <li>- Multistandard output (PAL – SECAM – NTSC) for the audio mono product.</li> </ul> | <ul style="list-style-type: none"> <li>- Output level 100dBµV per channel with separate adjustment.</li> <li>- Protected access via pin code.</li> <li>- Upgrade firmware via PC.</li> <li>- A/V on RCA output to connect an external decoder.</li> <li>- Heat dissipation by natural convection, <b><u>no fans inside the product</u></b>, reducing maintenance costs.</li> <li>- Wall mount or 19" cabinet installation.</li> </ul> |
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Fracarro Code	Item	Packaging	Quantity	Dimensions	Weight	Total weight
			pcs	mm	Kg	Kg
283126	SIG9506	Single	1	370x240x150	7.568	7.568
283127	SIG9506S	Single	1	370x240x150	7.568	7.568

Item		SIG9506	SIG9506S
Code		283126	283127
<b>SAT input</b>			
Input frequency	MHz	950-2150	
Input level	dB $\mu$ V	45-80	
Impedance	Ohm	75	
Input step tuning	MHz	1	
Loop-through insertion loss	dB	-4 to +4	
Max n° of modules possible to loop-through		Depends on the frequency and the level of the input signal	
DiSEqC		1.0 4 positions 0/14/18 V 0/22KHz	
<b>QPSK demodulations</b>			
AFC	MHz	-2.5 to +2.5	
Symbol rate	MS/s	2 - 35 (SCPC/MCPC compatible)	
FEC		Auto	
<b>MPEG specifications</b>			
Video decoder		MPEG-2 ML@MP	
Audio decoder		MPEG-2 Layer I e II	
Colour standard		PAL - SECAM -NTSC	PAL B/G
Video format		16:9, Pan scan, Letter box	
Audio format		Mono, Language 1, Language 2	Stereo, Dual Sound, Mono, Auto.
<b>AV outputs</b>			
Video type		Composite	
Video level	V pp	1 typ.	
Impedance	Ohm	75	
Max. audio level	mV rms	600	
Impedance	Ohm	600	
Frequency range	Hz	20 - 15 000	
<b>RF outputs</b>			
Modulator		DSB (Double side band)	
Standard		PAL B/G, D/K, I, N, H, SECAM L, NTSC M	PAL B/G
Output frequency	MHz MHz	VHF : 174-446 (E5-S38) UHF : 470-862 (E21-E69)	
Output level per channel	dB $\mu$ V	100	
Output level adjustment	dB	10 (independent for each channel)	
TV mixing input	MHz	47-862	
TV mixing insertion loss	dB	$\leq 2$	
Frequency stability	KHz	$< \pm 70$	
S/N weighted	dB	$> 52$	
Output step tuning	KHz	250	

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General Features			
Input connectors		2 x F female connectors (input + loop-through) for each receiver	
RF output connectors		2 x F female connectors (output + mix input)	
Impedance	Ohm	75	
A/V output connectors		3 x RCA (cinch) for each receiver	
Mains voltage ~	V, Hz	220–240, 50–60	
Power consumption	W	63	70
LNB power supply		Max. 400mA@14V	
Compliant		EN50083-2, EN60065	
Dimensions (l x w x h)	mm	370x240x150	
Operating temperature	°C	-10 to + 45	

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