

Headline Series

Modulators

SIG7282
SIG7282S
SIG7281

Audio video modulators, double conversion, double saw filter and tracking filter built in. One modulator covers the whole 47-862MHz band and a very high C/N ratio in the band allows the distribution of more than 80 channels. Available in PAL B/G mono (SIG7282), PAL B/G stereo (SIG7282S) and multistandard (SIG7281).

- Fully agile output modulators, with double conversion, saw filter and tracking filter built in. Using only one modulator, the whole 47-862MHz band can be covered, simplifying the installation and maintenance of the system
- High output level, 95dB μ V, to mix all the channels together
- RCA (cinch) connectors for audio and video input, F connectors for RF output
- 70cm RCA cable and KPR41 solid bridge are included
- Programmable via FHM software



Item Code			SIG7282 283943	SIG7282S 283944	SIG7281 283933
Video signal input	Impedance	Ohm	75		
	Level	Vpp	0.7-1.4		
Left and right audio input	Impedance	KOhm	10		
	Nominal input level	Vpp	0.5-3.5		0.5-2
Standard			PAL B/G mono	PAL B/G stereo	D/K, I, L, N, H
			Mono	Mono, stereo, dual sound	Mono
Audio carrier frequency	B/G standard mono or left carrier	MHz	5.50	5.50	-
	Right carrier	MHz	-	5.74	-
	Standard H	MHz	-	-	5.50
	Standard L D/K	MHz	-	-	6.50
	Standard I	MHz	-	-	6.00
	Standard N	MHz	-	-	4.50
Video/audio power carrier ratio	Standard N	dB	-	-	10
	Standard H	dB	-	-	14
	Standard I	dB	-	-	14
	Standard D/K	dB	-	-	13
	Standard L	dB	-	-	8
	Standard B/G: Mono (5.5MHz)	dB	13	13	-
	Stereo (5.74MHz)	dB	-	20	-
	Audio level adjustment	dB	0-10		
Modulation with audio input 1KHz, 0.5Vrms	B/G	KHz	45	45	49
	N (FM)	KHz	-	-	42
	H	KHz	-	-	44
	I, D/K (FM)	KHz	-	-	>47
	L (AM)		-	-	80%
Output frequency	MHz	47-862			
Channels		E2-E69			
Output level		dB μ V \pm dB	95 \pm 2		
	Level adjustment	dB	15 by steps of 1		
	Loop-through attenuation	dB	< 1.5@860MHz		
	Return loss	dB	>10		
C/N in the channel N \pm 3	dB	>66			
C/N \pm 40MHz	dB	>70			
S/N	dB	>50			
S/N in the channel	dB	50			
S/N with 80 channels	dB	48			
Spurious rejection	dB	>60			
Mains voltage	Vac, Hz	220-240, 50-60			
Power consumption	W	8			
Compliant		EN50083-2, EN60065			
Dimensions (rack version)	mm	35.5 (7e) x 133.3 (3U) x 240			
Operating temperature	$^{\circ}$ C	-10 to +45			