

905

## SIGNAL REGENERATORS EQUIPMENT 905-RG

CE

## DVB-T Regenerator



RG-101

**Description**

DVB-T digital channel regenerator for the BIII and UHF bands. Completely rebuilds the channel throughout the VHF-UHF band, obtaining optimal signal quality. Programmable using PC software and a wireless programmer.

**Applications**

Collective digital terrestrial TV installations and signal transmission or retransmission installations where it is necessary to regenerate an entire DVB-T channel. Compatible with all collective TV installations since the channels are distributed throughout the terrestrial band, BI, BIII, BS and UHF.

**Characteristics**

Outstanding quality of the regenerated output channel. The frequency of input channels is adjustable in steps of 250 KHz. The high selectivity prevents interference between channels and enables frequencies to be converted without incompatibilities. Zamak chassis with metal side covers. F-type connectors. Supplied with diplexing and multiplexing bridges.

<b>CODE</b>		9050159	
<b>MODEL</b>		RG-101	
Connection		F female	
TV system		DVB-T / DVB-H → DVB-T / DVB-H EN 3000744	
<b>COFDM receiver</b>			
Frequency range	Band	BIII	UHF
	MHz	170-230	470-862
Frequency step	MHz	0.25	
Input offset	MHz	-3/6, -2/6, -1/6, Auto, +1/6, +2/6, +3/6	
Bandwidth	MHz	8, 7, 6	
Input level	dBμV	45..100	
Output voltage	V <sub>cc</sub>	+24	
	mA	60	
Mode		2K, 8K, 4K (DVB-H) DVB: EN 300744	
Modulation		QPSK, 16QAM, 64QAM DVB: EN 300744	
F.E.C.		1/2, 2/3, 3/4, 5/6, 7/8 DVB: EN 300744	
Guard interval		1/4, 1/8, 1/16, 1/32 DVB: EN 300744	
MER	dB	39 ±2,0	
<b>RF output</b>			
Frequency range	MHz	47-862	
Frequency step	MHz	0.25	
Output level	dBμV	80 ±2,0	
Output level adjustment	dB	20	
Bandwidth	MHz	8, 7, 6, 5 DVB-H	

Further specification on the following page



From previous page

<b>CODE</b>		<b>9050159</b>			
<b>MODEL</b>		<b>RG-101</b>			
Multiplexing through loss	dB	47-862			
<b>General features</b>					
Power supply	V $\pm$	+3.3	+5.2	+12	+24
	mA	750	375	70	0+Preamp
Operating temperature close to equipment	°C	-10..+65			
Room temperature with/without fan	°C	-10..+55/+45			
Protection index		IP 20C			
Units per packaging		1			
Packing weight	Kg	1.4			
Packing dimensions	mm	270 x 170 x 38			

Programmable with PS-011 and ASP.