

HC-GRL SERIES

COMBINERS

MODELS

HC2-2GRL

HC2-5GRL

HC3-3GRL



We build various types of combiners composed of cavity filters to use multiple transmitters installed in a single transmission site with a single antenna system.

- **High-gain amplifier with very low input drive power requirement.**
- **10% - 100% Output Power continuously adjustable.**
- **APC Automatic Power Control ensuring reliable operation.**

ORDERING INFORMATION

Model	Description
HC2-2GRL	2.000W 2WAY Hybrid Coupler.
HC2-5GRL	5.000W 2WAY Hybrid Coupler.
HC3-3GRL	3.000W 3WAY Hybrid Coupler.

OPTION

/EXT24V-HCGRL	External 24V DC input.
/LINEOUT-HCGRL	Line out voltage HC-GRL.



HC2-2GRL

2.000W 2WAY Hybrid Coupler.



HC2-5GRL

5.000W 2WAY Hybrid Coupler.



HC3-3GRL

3.000W 3WAY Hybrid Coupler.



Parameters	U.M.	Value			Notes	
		HC2-2GRL	HC2-5GRL	HC3-3GRL		
GENERALS						
Frequency range	MHz	87,5 ÷ 108				
Rated output power	W	2000	5000	3000	Continuously variable by software from 10 to 100%	
Unbalanced power limit	W	950	1350	850		
Working temperature	°C	-5 to + 50				
Working humidity	%	85			Without condensing	
POWER REQUIREMENTS						
AC Power input	AC Supply Voltage	VAC	117 ÷ 230 +10% -15%		Internal switch	
	AC Apparent Power Consumption	VA	61			
	Active Power Consumption	W	61			
	Power Factor		0,998			
	Connector		VDE IEC Standard			
DC Power input	DC Supply Voltage	VDC				
DC Current	ADC					
MECHANICAL DIMENSIONS						
Physical dimensions	Front panel width	mm / inch	483 / 19		EIA rack	
	Front panel height	mm / inch	132 / 5 1/4 3HE			
	Overall depth	mm	573			
	Chassis depth	mm	501			
Weight	kg	About 15	About 16	About 17		
Cooling		Forced, with internal fan				
Acoustic noise	dBA	< 75				
AUDIO INPUTS						
Power Splitter	Connector		N type			
	Impedance	Ohm	50			
	Power	W	100	150	100	0,1 dB step adjustable
Power Coupler	Connector		7/16" EIA	7/8" EIA	7/16" EIA	
	Impedance	Ohm	50			
	Number of way		2	2	3	
	Power	W	1000	2500	1000	0,1 dB step adjustable
OUTPUTS						
Power Coupler	Connector		7/8" EIA			
	Impedance	Ohm	50			
Power Splitter	Connector		N-Type			
	Impedance	Ohm	50			
	Number of Way		2	2	3	
FUSES						
On mains		1 External F 3,15 T - 5 x 20 mm				
On services		X				
On PA Supply		X				
On driver supply		X				

All pictures are RVR's property and they are only indicative and not binding. The pictures can be modified without notice. These are general specifications. They show typical values and are subject to change without notice.

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R.V.R. Elettronica S.r.l.
Via del Fonditore 2/2
40138 Bologna - Italy
Phone +39 0516010506
sales@rvr.it

www.rvr.it