

**Technical specification**

(specification subject to change without notice)

**INPUT PARAMETER**

Input frequency range	bI - bIII -UHF
Connector	N female in front panel
Input SWR	< 1.2
Input level range	200uV to 10 mV
Noise figure	< 8Kt

**INPUT LOCAL OSCILLATOR**

Frequency stability	+/-1 ppm (ovenized), or externally sincronized
Ext reference frequency	5 or 10 MHz
Ext reference level	about 10 dBm

**IF PARAMETERS**

Vision IF frequency	38.9 Mhz (CCIR), 45.75 MHz (FCC), or other standards
IF filter	SAW acoustic device

**OUTPUT PARAMETERS**

Output connector	N female in the back panel
Power output	10 W or 50 W externally adjustable
Frequency stability	+/-1 ppm (ovenized), or externally sincronized
Ext reference frequency	5 or 10 MHz
Ext reference level	from -10 to +13 dBm @ 10 MHz
In band intermodulation	< -55 dBc (with precorrector)
Spurious emission	< -60 dBc with output filter
RF monitor connector	BNC in the back panel

**RE-TRANSMISSION QUALITY**

Vision signal / noise	< - 60 dB
Sync pulse compression	< 2 %
Differential gain	< 5 %
Differential phase	< 5 deg
Group delay tolerance	< + - 50 ns

**METERING**

Output power	
Received RF level	
Power supply voltage	+15 ; -15 ; +V Power Amplif ; input dc voltage

Power supply	110 - 230Vac ; +36/50Vdc or together
Dimension	19" 3HE Plug-in
Weight	12 Kg (10W) ; 15 Kg (50W)

MODEL	BAND	OUTPUT POWER	POWER CONSUMPTION
<b>RP-10/1</b>	VHF BI	10W	35W
<b>RP-50/1</b>	VHF BI	50W	100W
<b>RP-10/3</b>	VHF BIII	10W	35W
<b>RP-50/3</b>	VHF BIII	50W	100W
<b>RP-10/U</b>	UHF	10W	35W
<b>RP-50/U</b>	UHF	50W	135W