

TECHNICAL ESPECIFICATIONS

RF Input			
Signal type	One DTV channel		
Frequency band	150-900 MHz (continuous tuning)		
Sensitivity	-80 ... 0 dBm		
Selectivity (Pi = -40 dBm)	> 60 dB		
Noise figure	< 8 dB		
Connector	N (F) 50 ohm		
Return losses	> 18 dB		
Echo canceller			
Cancellation level	> 40 dB		
maximum echo level	+25dBc (over main signal)		
Clock and synchronization			
Internal reference	40 MHz		
External 10 MHz reference	Level: 100 mV - 3 Vpp. Connector: BNC (F)		
RF Output			
Frequency range	470 ... 800 MHz		
Channel bandwidth	6, 7, 8 MHz plus 1.7, 5 and 10 MHz for DVB-T2		
Resolution	1 Hz		
Output power (before the filter)	RUWH1050 (*)	RUWH1200 (*)	RUWH1101
- DVB-T/-H/-T2, ISDB -T/-T _B	5 Wrms	25 Wrms	100 Wrms
- ATSC	5 Wrms	25 Wrms	125 Wrms
Local and remote control			
Display	Local operation through LCD display and keyboard on front panel		
RJ-45	Ethernet network management interface for local and remote operation via SNMP agent /Web Browser		
Parallel interface	Floating contacts for messages and commands		
Digital Adaptive Precorrection (**)			
Non-Linear	Amplitude: ±6 dB / Phase: 60°		
Linear	Amplitude: ±3 dB / Delay: ±500 ns		
Clipping	12 dB		
Operation mode	Continuous / Automatic (triggering: time/shoulder level)		
Monitoring:			
- Shoulder level	Measurement of left and right shoulder level		
- Precorrection status	Running / Stopped		
General			
RF/IF - IF/RF conversion	Direct digital conversion (zero IF)		
Operating temperature	0 ... 45°C		
Relative humidity	95% max. (non-condensing)		
Supply voltage	Single - phase: 100VAC ... 240VAC, 47... 63Hz / 48Vdc		
Dimensions (WxHxD mm)	483 (19") x 44,4 (1U) x 444 mm		
Weight	8 Kg approx.		
Cooling	Forced air		

(*) No Doherty.

(**) Static linear and non-linear precorrection is included as default. Digital Adaptive Precorrection is optional but can be activated at any time through a software key.

Remark: To comply with the out-of-band emissions regulations and with the required shoulder attenuation, the RF output of the transposers must be connected to an appropriate filter.