



SUNNY 23dBm Band Selective Repeater

Model : SUN-RP23

- Support Selected Bands in 900, DCS1800 and WCDMA
- Simple Plug-and-Play Design
- ETSI Compliance
- 23dBm Per Band
- Remote Control By SMS or Data



Electrical Specifications

Item		Specification	
		Downlink	Uplink
Frequency Range	900	925-960MHz (1-3 sub-band)	880-915MHz (1-3 sub-band)
	1800	1805-1880MHz (1-3 sub-band)	1710-1785MHz (1-3 sub-band)
	2100	2110-2170MHz (1-3 sub-band)	1920-1980 ((1-3 sub-band)
Max. Gain		75±2.5dB	70±2.5dB
Max. Output Power		23±1.5dBm	15±1.5dBm
MGS (Step Attenuation)		≥31dB/1dB step	
Automatic Level Control		≥20dB	
Gain Flatness	GSM900 & DCS1800	≤4dB (p-p)	
	WCDMA	≤2dB/3.84MHz	
Noise Figure		≤8dB	
V.S.W.R.		≤2.2	
Group Delay		≤8us	
Frequency stability		≤0.01ppm	
Out of Band Interference Signal Per Downlink System (OIS)		-30dBm (Noise Figure ≤22dB, Gain is normal) -25dBm (Noise Figure ≥22 dB, Gain is normal) -20dBm (Noise Figure ≥27 dB Gain is normal) ≥-20dBm (Gain=Gain-(OIS+20))	
Out of Band Gain & Spurious Emission & Output inter-modulation		GSM Meet ETSI TS 151 026 WCDMA Meet 3GPP TS 25.143	
WCDMA System	Spurious Emission Mask	Meet 3GPP TS 25.143	
	Modulation Accuracy	≤12.5%	
	Peak Code Domain Error	≤-35dB@Spreading Factor 256	
	ACRR	≥30dBc/30KHz @ ±5MHz ≥50dBc/30KHz @ ±10MHz	

LED Alarm

Power LED	Power Indicator
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Software

Local Monitoring	PC via 232 Port
Remote Monitoring	Via SMS by GSM/WCDMA Modem
Controlled Parameters	Gain, Frequency, Repeater ON/OFF, Alarm Enable, etc.
Monitoring Parameters	Gain, Frequency, Repeater ON/OFF, Alarm Message, Output power
Alarm Items	Repeater Failure, DC Failure, temperature, etc

Mechanical Specifications

I/O Port	N-Female
Impedance	50ohm
Operating Temperature	-25°C ~+55°C
Environmental Condition	IP40
Power Consumption	50W
Heat Dissipation	40W
Dimension	385x285x144mm
Weight	≤13.5kg
Power Supply	Input AC90~264V, 50~60Hz

Technical data are subjected to change without notice – File: SUN-RP23 datasheet 2017V1.0