Digirep _ Sigle Band
700-2690 MHz

SUB BAND FILTERING REMOTE MONITORING
2G 3G 4G MULTI OPERATORS

Key features

The **Digirep®singleband** assures the coverage of radio cellular in the places or the infrastructures insufficiently covered (indoor or outdoor).

Its design and ease of implementation allows operation quality mobile or mobile phones used near the radio equipment without risk of saturation.

Digirep®singleband is a last smart repeater, designed for an easy commissioning thanks to the automatic power setting. The remote control allows every configuration change of the equipment (frequencies, powers, filters…).

Advantages

- ☑ Multi_standards/Multi_operators
- ☑ Remote control
- ☑ Digital features :
  Balancing operator level
- ☑ Low consumption



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Specifications

Technical characteristics							
Frequency range		700	800	900	1800	2100	2600
Frequency band	*UPLINK*	703~733	832~862	880~915	1710~1785	1920~1980	2500~2570
	DOWNLINK	758~788	791~821	925~960	1805~1880	2110~2170	2620~2690
Nominal output composite power UL		≥ +36 dBm		≥ +34 dBm		≥ +36 dBm	
Nominal output composite power DL		≥ +20 dBm					
Gains		Adjustable from 60 to 90 dB					
Frequency adjustment		From 200 KHz to full band					
Bandwith		< ± 1 dB typical - < ± 2 dB max					
Noise factor	*UPLINK*	≤ 4 dB @ Max gain			≤ 9 dB @ Max gain		
	DOWNLINK	≤ 6 dB @ Max gain			≤ 12 dB @ Min gain		
Selectivity		40 dB @ ± 400 KHz 50 dB @ ± 600 KHz 55 dB @ ± 1 MHz					
Intermodulation		≤ -36 dBm @ ≤ 1 GHz ≤ -30 dBm @ > 1 GHz					
Absolute group delay		≤ 5 µs					
Monitoring		IP RJ45 Access (x1) / 2G_3G_4G Modem / SNMP Compliant					
Max input level on BS and MS		-20 dBm without degradation of specifications and conformity to standards / + 0dBm without damage					
Conformity		3GPP Compliant					

Sub-band filtering						
Frequency range		700/800	900	1800	2100	2600
Number of filters		12				
For each filter	*Adjustable bandwidth*	From 100 kHz to 30 MHz	From 200 kHz to 35 MHz	From 200 kHz to 75 MHz	From 100 kHz to 60 MHz	From 100 kHz to 70 MHz
	Adjustable Central frequency	From f0 to f0 + 15 MHz	From f0 to f0 + 17.5 MHz	From f0 to f0 + 35 MHz	From f0 to f0 + 30 MHz	From f0 to f0 + 35 MHz
	Adjustable Attenuations	From 0 dB to 30 dB				

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Mechanical characteristics	
RF Connector	**N Female**
Dimensions except fixations (L x H x D)	**350 X 550 X 102 mm**
weight	**13 Kg**
Protection class	**IP65**
Cooling system	**Natural convection**
Operating temperature	**- 10°C / + 50°C**
Monitoring	**MODEM 2G/3G/4G**
Electrical characteristics	
Voltage	**230 Vac ou 48 Vdc**
Power issued	**120 W**
Efficiency	**86%**



More Informations: www.see-critical.com

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