DIGIREP MULTIBAND
698-2690 MHz

MULTI BAND/MULTI OPERATOR/ 2G 3G 4G
REMOTE MONITORING/BAND FILTER

Key features

The **Digirep®Multiband** is the ultimate radio equipment for communications continuity on the areas or premises that are not directly covered.

Main Features: Multi sub-band filters, no-linearity pre-correction.

Smart, product, with automatic settings in commissioning, plug and play and easy remote configuration changes.

Advantages

- ☑ Digital filtering
- ☑ 48 vdc or 230 Vac
- ☑ Remote configuration, monitoring and control
- ☑ Multi band & Multi operators
- ☑ Automatic gain control
- ☑ Indoor or outdoor installation



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Specifications

Technical characteristics slot repeter RF							
Frequency range		700/800/900/1800/2100/2600 MHz					
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 DL		≥ +36 dBm		≥ +34 dBm		≥ +36 dBm	
Nominal output composite power UL		≥ +22 dBm					
Gains (dB)		Adjustable from 60 to 90					
Ripple in the bandwith	Frequency setting	from 200 KHz full band					
	Response frequency	< ± 1 dB					
Noise factor	*UPLINK*	≤ 4 dB @ Max gain			≤ 9 dB @ Min gain		
	DOWNLINK	≤ 5 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 (x2) / 2G_3G_4G Modem / SNMP Compliant					
Max input level on BS and MS		20 dBm without degradation of specifications and compliance with standards / + 0dBm without damage					
Conformity		3GPP Compliant					

Electrical characteristics slot repeater RF						
Frequency band	700	800	900	1800	2100	2600
Voltage	28 VDC					
Consumption	≤ 80 W					
Dimensions	177 mm (4U) x 77 mm (15TE) × 393 mm					
Weight	7 kg					
Connectors	< QN femelle					
Protection indice/class	IP68 / IK9					
Signalisation	LED tricolore (Green / Yellow / Red) + 1 dry loop					

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Band filter characteristics						
Frequency Band		700/800	900	1800	2100	2600
Number of rejection by filter		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
	Setting mitigation	From 0 dB to 30 dB				

Technical characteristics MS/BS multiplexeur 5 bands						
Frequency band		700/800	900	1800	2100	2600
Insertion loss		0.8 dB				
Isolation		≥ 20 dB				
VSWR		1,5 : 0				

Mechanical characteristics MS/BS multiplexeur 5 bands						
Frequency band		700/800	900	1800	2100	2600
Dimensions (L x H x P)		177 mm (4U) x 76 mm x 200 mm				
Weight		3 kg				
VSWR	Antennas	2x Nf				
	Rf slot	10x QN female				

Electrical characteristics system	
Voltage	**230V AC or 48V DC**
Consumption	500 W
Efficacity	86%

Mechanical characteristics ventilation	
Dimensions (L x H x P)	344 mm x 167 mm x 39 mm
Weigh	0.75 Kg
Efficacity	86%

Electrical characteristics ventilation	
Voltage	24 V DC
Consumption	6 W
Connector (X1)	Binder F

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Mechanical characteristics rack	
Dimensions (L x H x P)	177 mm (4 U) x 482.6 mm x 446mm
Weight (Multiplexer included)	10 kg
Total weight (full rack)	42 kg
Operating temperature range (full rak)	De -20° à +50°



More Informations: www.see-critical.com

La FRENCH FAB

MADE IN FRANCE
FABRIQUÉ EN FRANCE

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