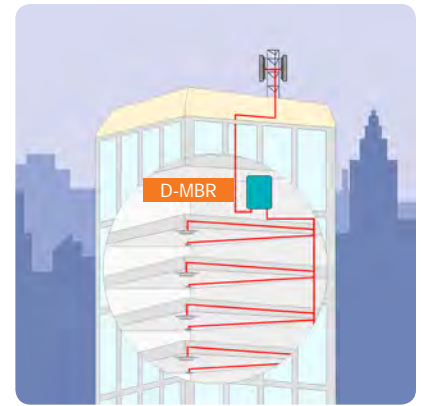


D-MBR 3007-3008 PS-NFPA Specifications

Class B

The D-MBR 3007-3008 PS NFPA is a digital, multi-channel signal booster which provides reliable and interference-free coverage when in the presence of other services in the adjacent channels.



Electrical	Downlink	Uplink
Frequency Range: SMR 700 MHz, D block	758-763 MHz	788-793 MHz
Frequency Range: SMR 700 MHz	763-775 MHz	793-805 MHz
Frequency Range: SMR 800 MHz	851-861 MHz	806-816 MHz
Passband Gain	55 dB to 85 dB Adjustable in 1 dB steps	
Passband Ripple	± 2.5 dB	± 2.5 dB
Gain attenuation range	30 dB	
Filter Bandwidth SMR 700 MHz (*)	Programmable 12.5 kHz to 1 MHz in 12.5 kHz steps 1 MHz to 17 MHz at 200 kHz steps	
Filter Bandwidth SMR 800 MHz (*)	Programmable 12.5 kHz to 1 MHz in 12.5 kHz steps 1 MHz to 10 MHz at 200 kHz steps	
Number of filters (SMR 700 & 800)	12	
Composite Output Power SMR 700 MHz	+ 30 dBm	+ 24 dBm
Composite Output Power SMR 800 MHz	+ 30 dBm	+ 24 dBm
Noise Figure at Maximum Gain	5.0 dB	
General		
Dimensions H x W x D	13.78" x 18.1" x 5.7" (350 mm x 460 mm x 145 mm)	
Power Supply	110 VAC 60 Hz or 230 VAC 50 Hz or -48 VDC	
Power Consumption	<150 W	
Total RF Input Power (no damage)	+10 dBm	
Impedance Level	50 Ω	
RF Connector	N-type, Female	
VSWR	1.5:1 maximum	
Compliance	IC/FCC	
Environmental		
Operating Temperature	-5°F to 122°F (-20°C to 50°C)	
Humidity	10% to 90% Condensed	
Weight	28.8 lbs (13 kg)	
Enclosure	Aluminum (NEMA 4)	

(*) Every filter above 10 MHz utilizes 2 FPGA resources

Ordering Information

Identification	Description	Part Number
D-MBR 3007-3008 PS with NFPA and red painted case	Digital Multi Channel Selective Signal Booster Class B 700/800 MHz 12 filters, 30 dBm composite per band, 85 dB gain, AC powering with NFPA and IFC compliant Alarm Outputs and red painted case.	D-MBR 3007-3008-PS-NFPA
D-MBR 3007-3008 PS with NFPA and red painted case	Digital Multi Channel Selective Signal Booster Class B 700/800 MHz 12 filters, 30 dBm composite per band, 85 dB gain, -48 VDC powering with NFPA and IFC compliant Alarm Outputs and red painted case.	D-MBR 3007-3008-PS-NFPA-DC