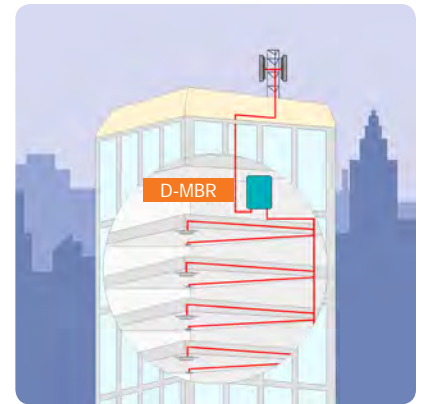


# D-MBR 3007-3008 PS-NFPA Specifications

## Class A

The D-MBR 3007–3008 PS NFPA is a digital, multi-channel signal booster 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	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 and 800 MHz	Programmable BW 12.5 kHz to 75 kHz in 12.5 kHz steps	
Total number of supported filters in both SMR 700 and 800MHz bands	24	
Number of filters in SMR 700 <sup>(1)</sup>	12	
Number of filters in SMR 800 <sup>(1)</sup>	12	
Composite Output Power SMR 700 MHz <sup>(2)</sup>	+ 30 dBm	+ 24 dBm
Noise Figure at Maximum Gain	5.0 dB	
<b>General</b>		
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	50Ω	
RF Connector	N-type, Female	
VSWR	1.5:1 maximum	
Compliance	IC/FCC	
<b>Environmental</b>		
Operating Temperature	14°F to 122°F (-10°C to 50°C)	
Humidity	10% to 90% Condensed	
Weight	28.8 bs (13 kg)	
Enclosure	Aluminum (NEMA 4)	

<sup>(1)</sup> The total number of 24 filters is shared between the two bands

<sup>(2)</sup> For single band 700 or 800 MHz DL composite power is 3 dB more (33 dBm)

### Ordering Information

Identification	Description	Part Number
D-MBR 3007-3008 PS with NFPA and red painted case	Digital Multi Channel Selective Signal Booster Class A 700/800MHz 24 filters , 30dBm composite per band, 85dB gain, AC powering with NFPA and IFC compliant Alarm Outputs and red painted case.	D-MBR 3007 3008-PS-NFPA-AC-CLASS-A
D-MBR 3007-3008 PS with NFPA and red painted case	Digital Multi Channel Selective Signal Booster Class A 700/800MHz 24 filters, 30dBm composite per band, 85dB gain, -48 VDC powering with NFPA and IFC compliant Alarm Outputs and red painted case.	D-MBR 3007 3008-PS-NFPA-DC-CLASS-A