

NFBDA Series, Enterprise DAS Boosters (136-412MHz)

Product Features

- Specifically designed for LMR Enterprise Applications
- Field expandable
- No need of “Front End BDA” or “POI”, reduced infrastructure cost
- Band Selective
- NFPA Compliant
- 3-year warranty
- UL2524 2nd Edition Listing with SGS, Nationally Recognized Testing Laboratory (NRTL) approved by OSHA for UL2524
- IFC 2015, 2018, 2021 Edition
- NFPA 72, 2013 Edition, NFPA 1221, 2016, 2019 Edition
- Buy American Compliant: meets the definition of Domestic
- Construction Material under the Buy American Act



Applications

- For P25 Ph1, P25 Ph2, DMR, TETRA, TETRAPOL, LTE (up to 960MHz) NXDN and Conventional Systems
- Indoor: tunnels, buildings, subways, airports, among others

Specification	Value
Fiber-Optic	Single mode
WDM	Yes
Optical Wavelengths	1310 / 1550 nM
Operational Bands	VHF + UHF or PS700 + FirstNet + PS800
Number of Band Pass	One per band
Bandwidth	Full band
Number of Optical Ports	1 for MU
Optical Return Loss	> 45dB
Number of RF Ports	VHF + UHF: 1 for DL out and 1 for UL in; 700+Firstnet+800: 1 for service antenna
RF Input/Output Impedance	50 Ω
UL Maximum Input Power	0dBm
Manual Attenuator	20dB in 1 dB steps +/- 0.5 dB
RF Connectors	N (f)
Optical Connectors	FC / APC
Composite Output Power, DL	<ul style="list-style-type: none"> • VHF: 24 dBm • UHF: 30 dBm • 700&800 (including FirstNet): 33 dBm per band
DL IMD and Spurious Generation	< -13 dBm
Noise Figure	< 9 dBm
Power Supply	See Table
Power Consumption	70W
Housing	NEMA4
Environmental	EN 300 019 4.1
Temperature Range	-22° to +131° F • -30° to +55° C
Humidity	< 95% non condensing
MTBF	> 50.000 hours

Control and Alarm	Value
Alarms Report	<ul style="list-style-type: none"> Via Master Unit Local: USB (POWER STATUS, MU STATUS, RM STATUS)
Remote Unit Configuration	Local: USB
Normative	Value
Standards	ITU T G 652 EN60825-1
FCC	<ul style="list-style-type: none"> FCC, CFR 47, Part 15, Subpart B, Class A digital devices FCC, CFR 47, Part 90, Subpart I
FCC ID 700/800	P3TA7S-1A
FCC ID VHF/UHF	P3TA14A

Model	Type	Power Supply	Dimension	Weight
HONBDA-A14-A	VHF+UHF	AC & DC	27.2 x 20.0 x 9.0 in (690.88 x 508.0 x 228.6 mm)	60 lbs - 27 Kg
NFBDA-A7S-A	700+firstnet+800	AC	27.2 x 20.0 x 9.0 in (690.88 x 508.0 x 228.6 mm)	60 lbs - 27 Kg
NFBDA-A7S-D	700+firstnet+800	DC	27.2 x 20.0 x 9.0 in (690.88 x 508.0 x 228.6 mm)	60 lbs - 27 Kg

Ordering Information

HONBDA-A14-A: VHF&UHF ENT REMOTE, CLASS B, ND&ND, ACDC

NFBDA-A7S-A: 700/800MHZ ENT DAS REMOTE, CLASS B,2W, A

NFBDA-A7S-D: 700/800MHZ ENT DAS REMOTE, CLASS B,5W, D

Standards and Codes

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

- Buy American Compliant: meets the definition of Domestic Construction Material under the Buy American Act
- FCC Compliant
- IFC 2015, 2018, 2021 Edition Standard
- Made in America Compliant
- NFPA 72, 2013 Edition Standard
- NFPA 1221, 2016, 2019 Edition Standard
- ROHS compliant
- UL2524 2nd Edition Listing with SGS, Nationally Recognized Testing Laboratory (NRTL) approved by OSHA for UL2524



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We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
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