

TRUEPATH PUBLIC SAFETY BDA 700 and 800 MHz 2W CLASS B DC



MODEL # 7831851-0021



FEATURES

- Compact, high performance, economical public safety signal source
- UL2524 Certified - UL File S36319
- High performance architecture that supports up to 3 wide band filters
- Automatic Gain Control (AGC) and channelized uplink squelch ensure clear voice transmission
- Output power and band capacity can be field upgradeable via license key
- Web-based GUI and SNMP support for intelligent configuration and monitoring
- NFPA 1225 and IFC compliant
- Built-in automatic donor antenna supervision
- Automatic oscillation detection and self-healing mechanism
- Short installation time due to built-in isolation test, alarm test and one click summary report

GENERAL SPECIFICATIONS

Antenna Interface at Repeater
Supervision/Control Option

4.3-10 female
Dry Alarm contacts with 2.2K Ohm EOL resistors | Remote control via Ethernet

DIMENSIONS

Height
Width
Depth

480 mm | 18.898 in
400 mm | 15.748 in
170 mm | 6.693 in

ELECTRICAL SPECIFICATIONS

Electrical Safety Standard

CAN/CSA-C22.2 No. 62368-1 | UL 2524 Certified | UL 62638 | US FCC Part 20
US FCC Part 90

Gain, typical
Gain Adjustment Range
Group Delay, maximum, specific
License Band
Local Power
Return Loss
Power Consumption

90 dB
30 dB
3 μ s @ full band | 90 μ s @ 12.5 kHz
700 (including FirstNet) | 800
-48 Vdc
13 dB
160W

ELECTRICAL SPECIFICATIONS, Rx (Uplink)

Operating Frequency Band
Output Power @ One Carrier
Output Power @ Two Carriers

788-798 MHz (FirstNet) | 788-805 MHz | 796-824 MHz
27 dBm
24 dBm

ELECTRICAL SPECIFICATIONS, Tx (Downlink)

Operating Frequency Band
Output Power @ One Carrier
Output Power @ Two Carriers

758-768 MHz (FirstNet) | 758-775 MHz | 851-896 MHz
33 dBm
30 dBm

ENVIRONMENTAL SPECIFICATIONS

Operating Temperature
Ingress Protection Method

-30 C to +50 C (-22 F to +122 F)
IEC 60529:2001, IP66 | NEMA 4X | UL 2524 Certified | UL Type 4

PACKAGING and WEIGHTS

Weight, net

19 kg | 41.888 lb

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