



## Public Safety BDA for 700 AND 800 MHZ 0.5W CLASS B DC

- 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-upgraded via license key
- Web-based GUI and SNMP support for intelligent configuration and monitoring
- NFPA 1221 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

## Product Classification

**Product Type** Public safety RF repeater unit

## General Specifications

**Antenna Interface at Repeater** 4.3-10

**Indoor Antenna** Optional, not included

**Performance Note** Values typical, unless otherwise stated

**Supervision/Control Option** Dry alarm contacts with 2.2k Ohm EOL resistors | Remote control via Ethernet

## Dimensions

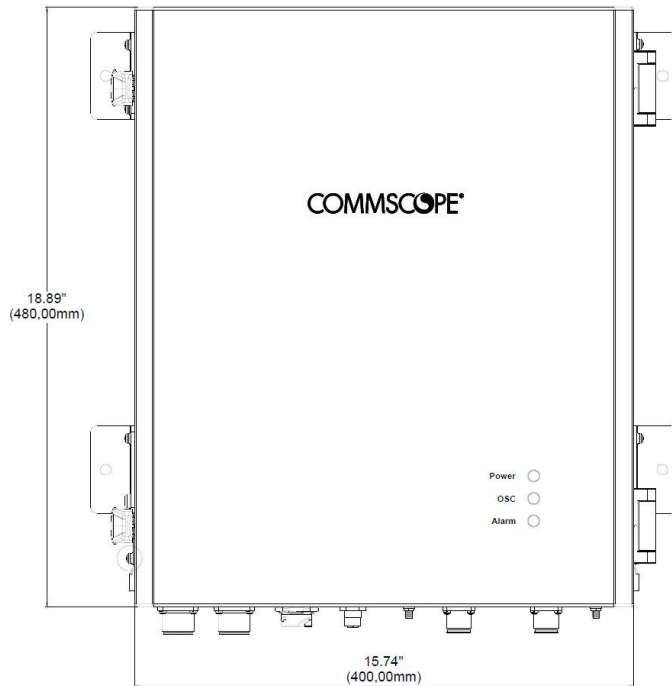
**Height** 480 mm | 18.898 in

**Width** 400 mm | 15.748 in

**Depth** 170 mm | 6.693 in

**Optional Antenna Length** 90 mm | 3.543 in

## Outline Drawing



## Electrical Specifications

### Electrical Safety Standard

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

### Gain, typical

90 dB

### Gain Adjustment Range

30 dB

### License Band

700 (including FirstNet) | 800

### Local Power

-48 Vdc

### Return Loss

13 dB

### Power Consumption

160 W

## Electrical Specifications, Rx (Uplink)

### Operating Frequency Band

788 – 798 MHz (FirstNet) | 788 – 805 MHz | 796 – 824 MHz

### Output Power @ One Carrier

27 dBm

### Output Power @ Two Carriers

24 dBm

## Electrical Specifications, Tx (Downlink)

### Operating Frequency Band

758 – 768 MHz (FirstNet) | 758 – 775 MHz | 851 – 869 MHz

### Output Power @ One Carrier

27 dBm

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**Output Power @ Two Carriers** 24 dBm

## Environmental Specifications

**Operating Temperature** -30 °C to +50 °C (-22 °F to +122 °F)

**Ingress Protection Test Method** IEC 60529:2001, IP66 | NEMA 4X

## Packaging and Weights

**Weight, net** 19 kg | 41.888 lb

## Regulatory Compliance/Certifications

### Agency

ISO 9001:2015

### Classification

Designed, manufactured and/or distributed under this quality management system

