



## Public Safety BDA for 700 or 800 MHz 2W CLASS A AC

- Compact, high-performance, economical public safety signal source
- Complies with relevant public safety specifications
- High performance digital programmable architecture supports up to 32 channels per band with .5W and 2W power output
- 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

## Product Classification

**Product Type** Public safety RF repeater unit

## General Specifications

**Antenna Interface at Repeater** 4.3-10

**Indoor Antenna** Optional, not included

**Optional Antenna Gain** 4 dBi

**Optional Antenna Type** Omni

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

**Supervision/Control Option** Dry alarm contacts | Remote control via Ethernet

## Dimensions

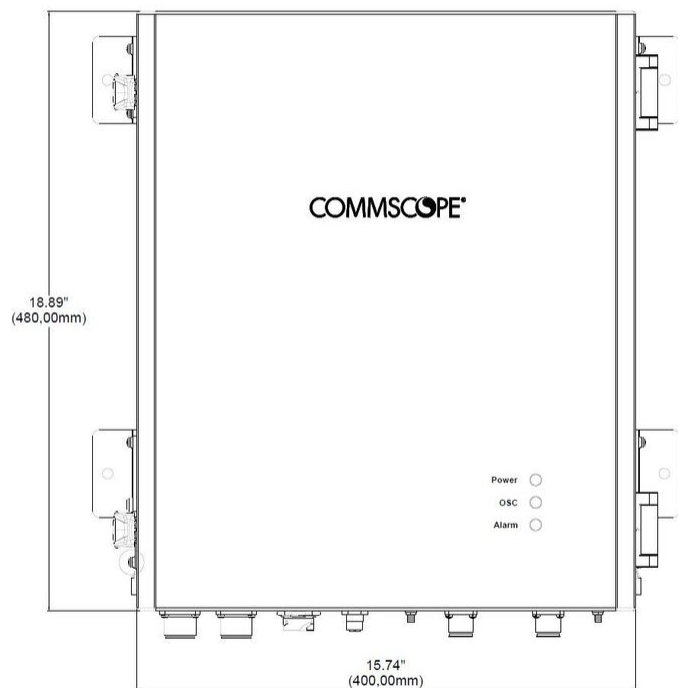
**Height** 480 mm | 18.898 in

**Width** 400 mm | 15.748 in

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

**Depth** 170 mm | 6.693 in

## Outline Drawing



## Electrical Specifications

<b>Return Loss</b>	13 dB
<b>Electrical Safety Standard</b>	CAN/CSA-C22.2 No. 62368-1   UL 2524 compliant   UL 62368   US FCC Part 20   US FCC Part 90
<b>Gain</b>	90 dB
<b>Gain Adjustment Range</b>	30 dB
<b>Group Delay, maximum, specific</b>	3 $\mu$ s @ full band   90 $\mu$ s @ 12.5 kHz
<b>License Band</b>	700 (including FirstNet)   800
<b>Local Power</b>	110 Vac
<b>Mains Power</b>	110VAC/60Hz
<b>Power Consumption</b>	160 W

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## Electrical Specifications, Rx (Uplink)

<b>Operating Frequency Band</b>	788 – 798 MHz (FirstNet)   788 – 805 MHz   796 – 824 MHz
<b>Output Power @ One Carrier</b>	27 dBm
<b>Output Power @ Two Carriers</b>	24 dBm

## Electrical Specifications, Tx (Downlink)

<b>Operating Frequency Band</b>	758 – 768 MHz (FirstNet)   758 – 775 MHz   851 – 869 MHz
<b>Output Power @ One Carrier</b>	33 dBm
<b>Output Power @ Two Carriers</b>	30 dBm

## Environmental Specifications

<b>Operating Temperature</b>	-30 °C to +50 °C (-22 °F to +122 °F)
<b>Ingress Protection Test Method</b>	IEC 60529:2001, IP66   NEMA 4X

## Packaging and Weights

<b>Weight, net</b>	19 kg   41.888 lb
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## Regulatory Compliance/Certifications

<b>Agency</b>	<b>Classification</b>
ISO 9001:2015	Designed, manufactured and/or distributed under this quality management system



## \* Footnotes

<b>EVM</b>	Error Vector Magnitude
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