



Public Safety BDA for 700 or 800 MHZ 0.5W CLASS B AC

- 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
- Automatic oscillation detection and self-healing mechanism
- Built-in automatic donor antenna supervision
- 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

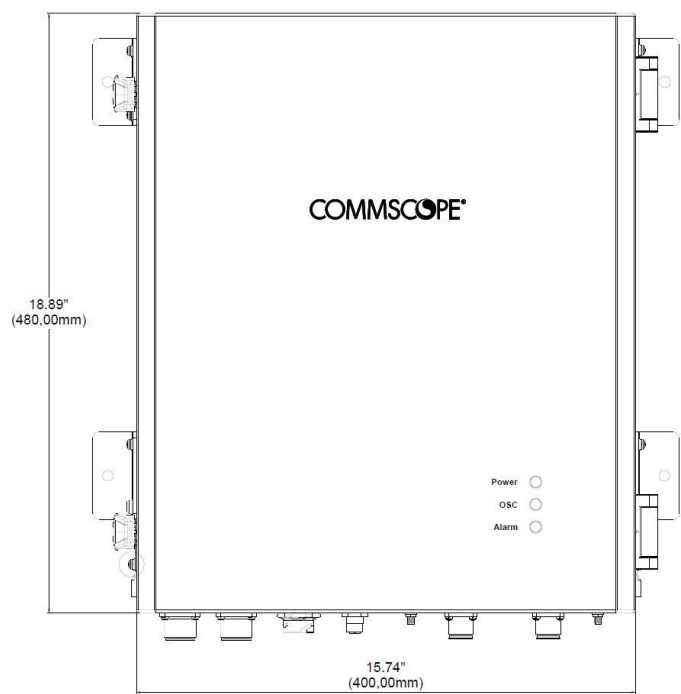
Height 480 mm | 18.898 in

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	110 Vac
Mains Power	110VAC/60Hz
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
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Output Power @ One Carrier	27 dBm
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 UL 2524 Certified UL Type 4

Packaging and Weights

Weight, net	19 kg 41.888 lb
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Regulatory Compliance/Certifications

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

