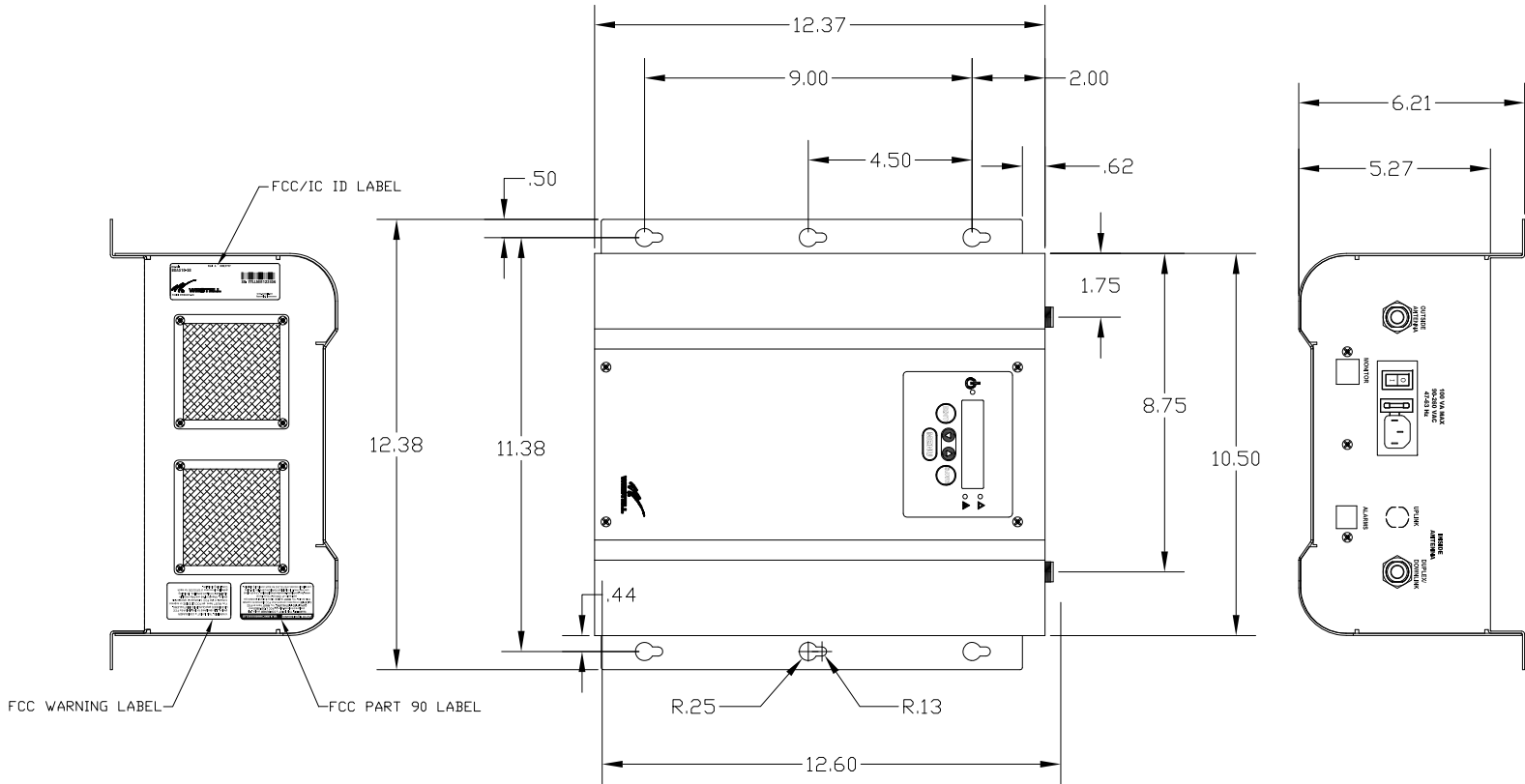


REVISIONS				
ECD	REV	DESCRIPTION	DATE	APPROVED BY
	1			

BDA510-S8
IN-BUILDING AMPLIFIER
SPECIFICATIONS



Uplink	SMR 800
Frequency	806-824MHz
Linear Gain	65 dB
Pass Band Ripple	+/-1.5 dB
Gain Adjustment Range	-30 dB
Gain Adjustment Steps	1 dB
AGC Range	25 dB
Linear Output Power-Typ	27.0 dBm
3rd Order Intercept, IP3	+42 dBm
Noise Figure	5.5 dB
1 dB Compression	+32 dBm
Input VSWR	<1.5:1
Maximum Input Power	+10 dBm
Propagation Delay	<250 nsec
Downlink	
Frequency	851-869MHz
Linear Gain	65 dB
Pass Band Ripple	+/-1.5 dB
Gain Adjustment Range	-30 dB
Gain Adjustment Steps	1 dB
AGC Range	25 dB
Linear Output Power-Typ	27.0 dBm
3rd Order Intercept, IP3	+42 dBm
Noise Figure	5.5 dBm
1 dB Compression	+32 dBm
Input VSWR	<1.5:1
Maximum Input Power	+10 dBm
Propagation Delay	<250 nsec
Connectors	N-Female
Power Requirements	120 Vac @ 1.3A
Temperature	-22 to +118 F
Dimensions (in.)	12.38 x 12.60 x 6.21
Weight (lbs.)	15.5 MAX
Indicator LEDs	Warning & Fault

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000		UNLESS OTHERWISE SPECIFIED		DRAWN K ALBERTSON		DATE 11-3-16		 WESTELL TECHNOLOGIES, INC 670 N. Commercial Street, Manchester, NH 03101 TITLE Label Location Sheet 510 S8	
REMOVE ALL BURRS AND SHARP EDGES		TOLERANCES ON		CHECKED		DATE			
SURFACE ROUGHNESS 32		DECIMALS .XX+ ±.01 .XXX+ ±.005		ANGLES + 0°30'		ENG APPD.			
DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING		MFG APPD.		DATE		QUALITY APPD.			
FINISH		MATERIAL: SEE BOM		DATE		DATE		SIZE C	
								FSCM NUMBER N/A	
								DRAWING NUMBER LABEL LOCATION	
								REV 1	
								SCALE N/A	
								WT NA	
								SHEET 1	
								OF 1	

		REVISIONS			
ECD	REV	DESCRIPTION	DATE	APPROVED BY	
PENDING	1	INITIAL RELEASE			

3.0

1.0

Model:
BDA510-S8

Rev: A 06/2016

WESTELL

FCC ID: NVRBDA510-S8


SN: YYLLMM123456

www.westell.com
Assembled in USA

NOTES: UNLESS OTHERWISE SPECIFIED

1. MAKE FROM BLANK BRADY ITEM# THT-18-428-3(B-428) OR EQUIVALENT.

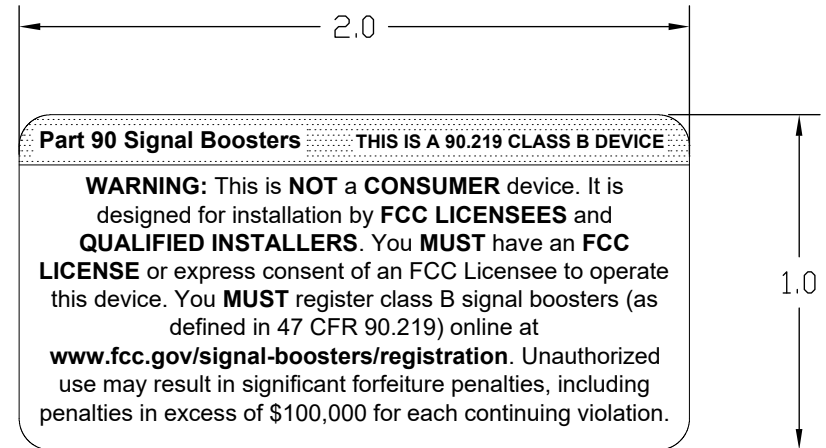
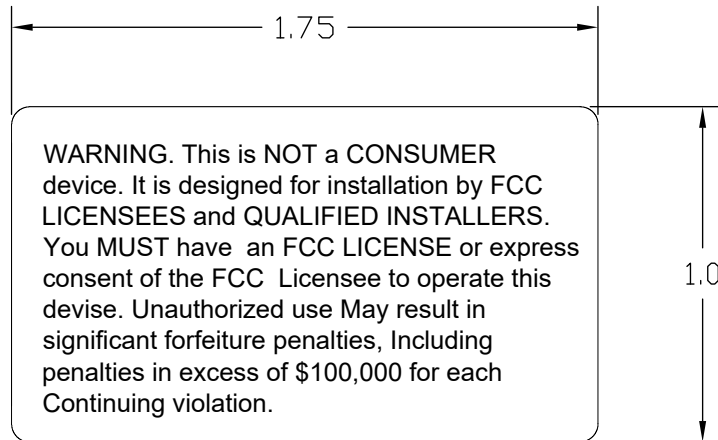
2. PRINT COLOR: BLACK

3. REFER TO P.O. FOR ITEM NUMBER INFORMATION NEEDED FOR LABEL.

4. SEEK FIRST ARTICLE APPROVAL OF LABEL FROM WESTELL.

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED	DRAWN Ken Albertson	DATE 11/3	 WESTELL TECHNOLOGIES, INC 670 N. Commercial Street, Manchester, NH 03101		
REMOVE ALL BURRS AND SHARP EDGES	TOLERANCES ON	CHECKED	DATE			
SURFACE ROUGHNESS 32	DECIMALS .XX= ±.01 .XXX= ±.005 ANGLES ± 0°30'	ENG.APPD.	DATE			
	DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	MFG APPD.	DATE			
FINISH: 	MATERIAL: SEE NOTES	QUALITY APPD.	DATE	TITLE DWG LBL IC/FCC 4307A-BDA510S8/NVRBDA510-S8		
		THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WESTELL TECHNOLOGIES INC. AND SHALL NOT BE REPRODUCED, COPIED, USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OF SALE OF ITEM(S) WITHOUT WRITTEN PERMISSION.		SIZE A	FSCM NUMBER N/A	DRAWING NUMBER BDA510-S8
CSIA rD		SCALE 1 / 1		WT NA	SHEET 1 OF 1	

REVISIONS				
ECD	REV	DESCRIPTION	DATE	APPROVED BY
PENDING	A	INITIAL RELEASE		AGILE



NOTES: UNLESS OTHERWISE SPECIFIED

1. PRINT COLOR: BLACK

2. SEEK FIRST ARTICLE APPROVAL OF LABEL FROM WESTELL.

SOURCE CONTROL DRAWING

DRAWING PRACTICES PER ANSI-Y-14.5 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED	DRAWN	DATE	 WESTELL TECHNOLOGIES, INC 670 N. Commercial Street, Manchester, NH 03101		
REMOVE ALL BURRS AND SHARP EDGES	TOLERANCES ON	CHECKED	DATE			
SURFACE ROUGHNESS 	DECIMALS .XX= ±.01 ANGLES .XXX= ±.005 ± 0°30'	ENG.APPD.	DATE			
	DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	MFG APPD.	DATE			
FINISH:	MATERIAL:	QUALITY APPD.	DATE	TITLE FCC WARNING LABEL		
	SEE NOTE 1	THESE DRAWINGS AND SPECIFICATIONS ARE THE PROPERTY OF WESTELL TECHNOLOGIES INC. AND SHALL NOT BE REPRODUCED, COPIED, USED IN WHOLE OR IN PART AS THE BASIS FOR THE MANUFACTURE OF SALE OF ITEM(S) WITHOUT WRITTEN PERMISSION.		SIZE A	FSCM NUMBER N/A	DRAWING NUMBER 565-500953
				SCALE 1 / 1	WT NA	REV A
						SHEET 1 OF 1