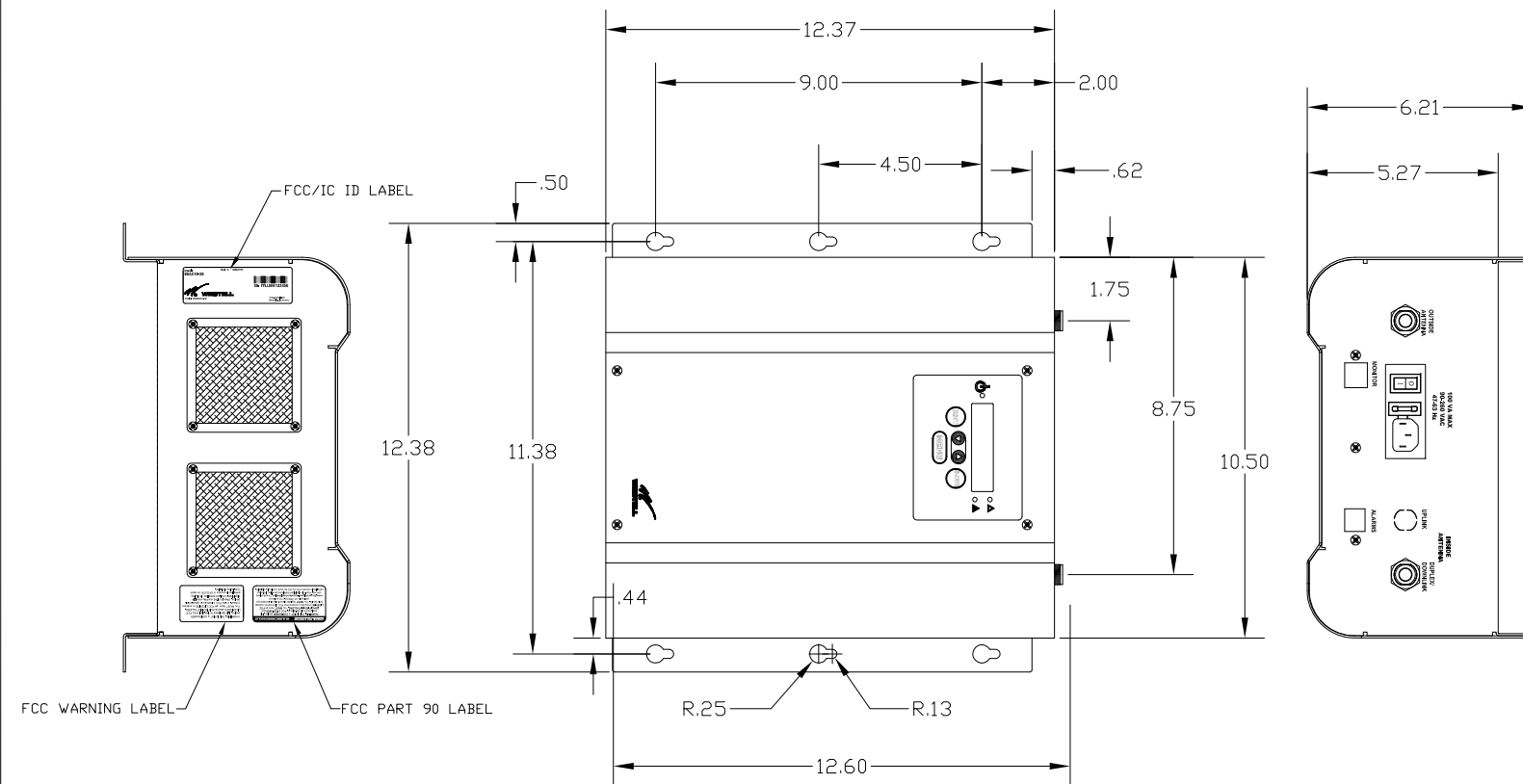


REVISIONS				
ECD	REV	DESCRIPTION	DATE	APPROVED BY
	1			

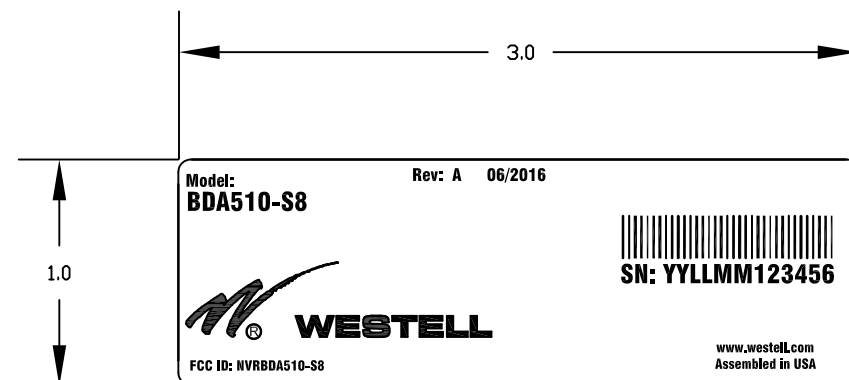
**BDA510-S8  
IN-BUILDING AMPLIFIER  
SPECIFICATIONS**



	<b>SMR 800</b>
Uplink	
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-145 MIL-STD-100 & 1000	UNLESS OTHERWISE SPECIFIED	DRAWN <b>K ALBERTSON</b>	DATE <b>11-3-16</b>	<p><b>WESTELL TECHNOLOGIES, INC</b> 670 N. Commercial Street, Manchester, NH 03101</p>												
REMOVE ALL BURRS AND SHARP EDGES	TOLERANCES ON	CHECKED	DATE													
SURFACE ROUGHNESS	DECIMALS .XX= ±.01 ANGLES .XXX= ±.005 ± 0.25°	ENG APPD.	DATE													
FINISH	DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	MFG APPD.	DATE													
	MATERIAL: <b>SEE BOM</b>	QUALITY APPD.	DATE	TITLE <b>Label Location Sheet 510 S8</b>												
		<small>THESE DIMENSIONS 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 OR SALE OF ITEMS WITHOUT WRITTEN PERMISSION.</small>		<table border="1"> <tr> <td>SIZE</td> <td>FSCM NUMBER</td> <td>DRAWING NUMBER</td> <td>REV</td> </tr> <tr> <td>C</td> <td>N/A</td> <td>LABEL LOCATION</td> <td>1</td> </tr> <tr> <td>SCALE</td> <td>N/A</td> <td>WT NA</td> <td>SHEET 1 OF 1</td> </tr> </table>	SIZE	FSCM NUMBER	DRAWING NUMBER	REV	C	N/A	LABEL LOCATION	1	SCALE	N/A	WT NA	SHEET 1 OF 1
SIZE	FSCM NUMBER	DRAWING NUMBER	REV													
C	N/A	LABEL LOCATION	1													
SCALE	N/A	WT NA	SHEET 1 OF 1													

REVISIONS				
ECD	REV	DESCRIPTION	DATE	APPROVED BY
PENDING	1	INITIAL RELEASE		

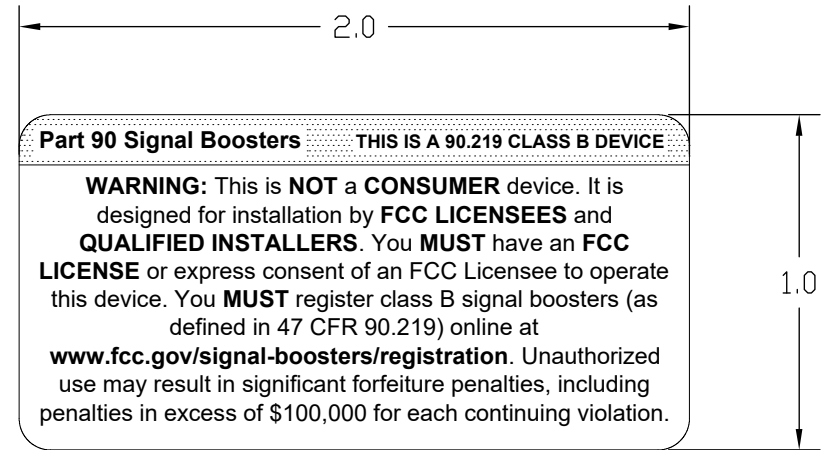
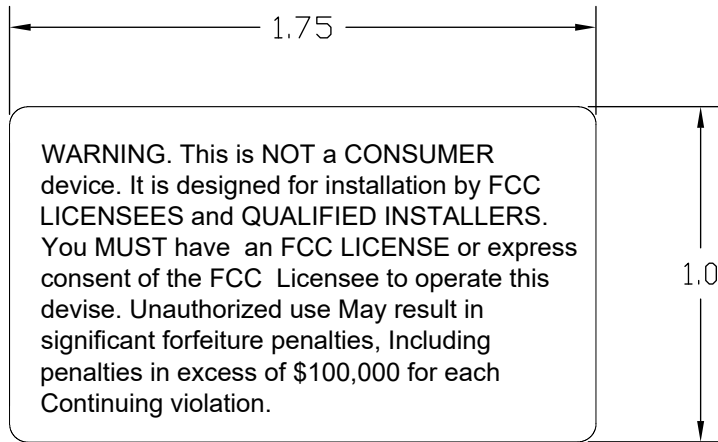


NOTES: UNLESS OTHERWISE SPECIFIED

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	 <b>WESTELL</b> TECHNOLOGIES, INC 670 N. Commercial Street, Manchester, NH 03101		
REMOVE ALL BURRS AND SHARP EDGES	TOLERANCES ON	CHECKED	DATE			
SURFACE ROUGHNESS $\sqrt{32}$	DECIMALS      ANGLES .XX= ±.01      .XXX= ±.005      ± 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	REV 1
CSIA rD		SCALE	1 / 1	WT	NA	SHEET <u>1</u> OF <u>1</u>


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	 <b>WESTELL</b> TECHNOLOGIES, INC 670 N. Commercial Street, Manchester, NH 03101 TITLE FCC WARNING LABEL								
REMOVE ALL BURRS AND SHARP EDGES	TOLERANCES ON	CHECKED	DATE									
SURFACE ROUGHNESS $\sqrt{32}$	DECIMALS      ANGLES .XX= ±.01      .XXX= ±.005      ± 0°30'	ENG.APPD.	DATE									
	DIMENSIONS ARE IN INCHES AND APPLY BEFORE/AFTER PROCESSING	MFG APPD.	DATE									
FINISH:	MATERIAL: SEE NOTE 1	QUALITY APPD.	DATE									
		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.		<table border="1"> <tr> <td>SIZE</td> <td>FSCM NUMBER</td> <td>DRAWING NUMBER</td> <td>REV</td> </tr> <tr> <td>A</td> <td>N/A</td> <td>565-500953</td> <td>A</td> </tr> </table>	SIZE	FSCM NUMBER	DRAWING NUMBER	REV	A	N/A	565-500953	A
SIZE	FSCM NUMBER	DRAWING NUMBER	REV									
A	N/A	565-500953	A									
CSIA rD		SCALE 1 / 1	WT NA	SHEET 1 OF 1								