



# C-band 12W Block Transmitter

## Model No. NJAL5964-12

### < Features >

- \* No "Cooling Fan" Solution
- \* High Efficiency Output Power (12W minimum @P1dB over temperature)
- \* 110/220 VAC Autoranging Operation

### <Line-Up>

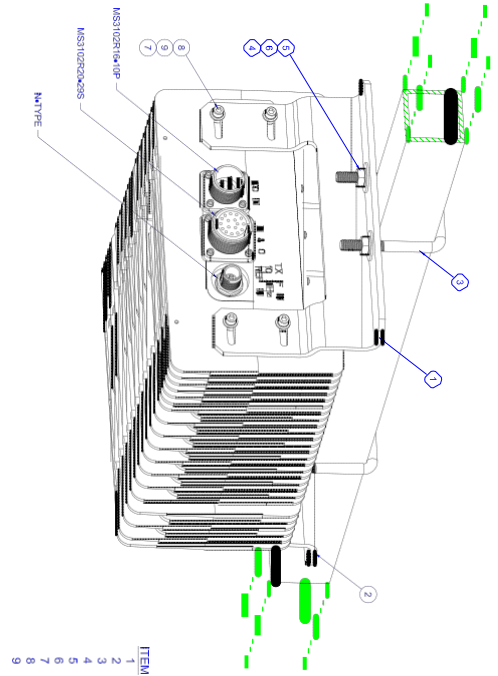
Model No.	RF Frequency	Local Frequency	IF Frequency	Output Power	Connector
NJAL5964-12	5.850 to 6.425 GHz	4.90 GHz	950 to 1,525 MHz	12W Linear	N-Type

### < Specifications >

Item	Specifications
Output Interface	Waveguide, CPR137G
Output Power @ 1dB G.C.P.	+41 dBm typ. over temp.
Linear Gain	70 dB nominal
Requirement for External Reference (Frequency)	10 MHz (sine-wave)
(Input Power)	-5 to +5 dBm @ Input port
(Phase Noise)	-135 dBc/Hz max. @ 100 Hz
	-140 dBc/Hz max. @ 1 kHz
	-143 dBc/Hz max. @ 10 kHz
L.O. Phase Noise	-60 dBc/Hz max. @ 100 Hz
	-70 dBc/Hz max. @ 1 kHz
	-80 dBc/Hz max. @ 10 kHz
	-90 dBc/Hz max. @ 100 kHz
Input V.S.W.R.	2 : 1 max
Output V.S.W.R.	2 : 1 max.
AC Power Requirement	110/220 VAC
	150 W max.
Mute	Shut off the HPA in case of L.O. unlocked
Input Interface	N-type, female (50 ohms)
Dimension	12.1" x 9.2" x 5.95" ( 300 mm x 230mm x 150mm )
Weight	22 lbs max. ( 10 kg )
Temperature Range (ambient)	-40 to +55 C (operating)
	-40 to +75 C (storage)

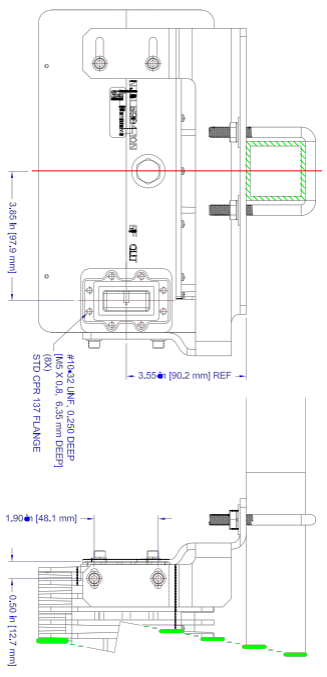
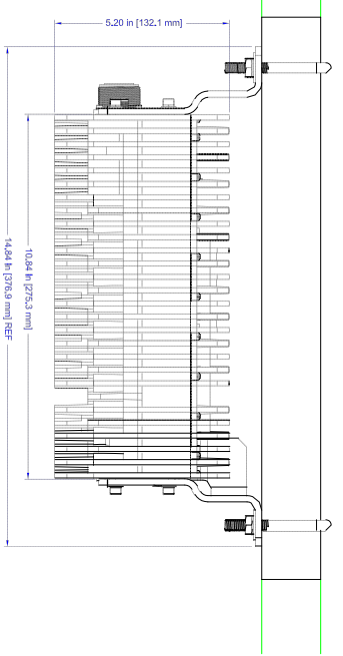
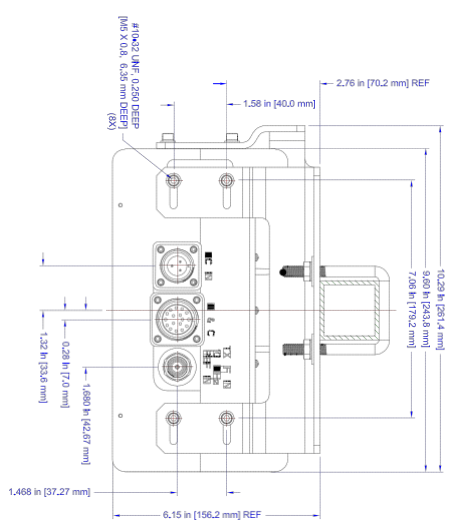
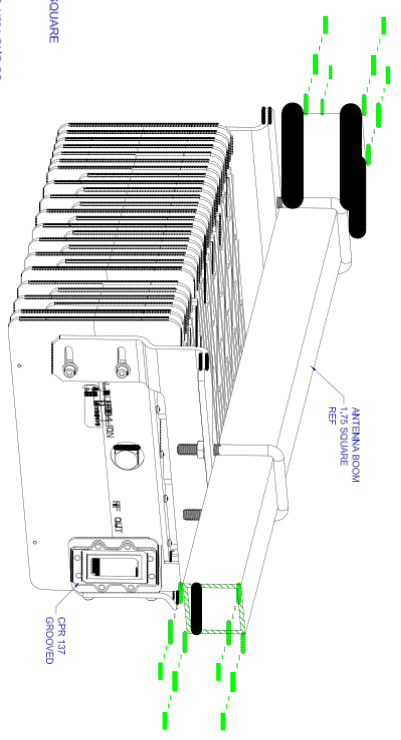
Specification is subject to change without notice.

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**MOUNTING KIT**

ITEM	P/N	QTY	DESCRIPTION
1	750002801	1	MOUNTING BRACKET
2	750002802	2	MOUNTING BRACKET
3	6090028	2	U BOLT 05/16x18 UNC SQUARE
4	6090031	4	05/16x18 UNC HEX NUT
5	6090032	4	05/16 FLAT WASHER
6	6090033	4	05/16 LOCK WASHER
7	6011132x08	4	CAP SCREW #10x2xUNF-1/2" LONG SS
8	610010	4	#10 FLAT WASHER
9	6100101	4	#10 LOCK WASHER



SEE SPECIFICATION TSMJAL5964-12N  
SPECIFICATION IS SUBJECT TO CHANGE WITHOUT NOTICE

PART NO.	NEXT QTY RECD	FINAL PER ASSY	NEXT ASSY APPLICATION	USED ON

UNLESS OTHERWISE SPECIFIED	DIMENSIONS ARE IN INCHES	TOLERANCES ARE:	DEGREES
DECIMALS	X.01		0°30'
FRACTIONS	X/16		
ANGLES	X°00'		
DO NOT SCALE DRAWING			
DRAWN	VT	NOV 29, 2005	
CHECKED	AY	JUN 29, 2005	
ENGR	MB.	JUN 29, 2005	
APPROVED	AY	JUN 29, 2005	

<p><b>ALGA MICROWAVE</b> 2109, St-Hubert, Dollard Des Ormeaux, QC H9B 2M9, CANADA Tel: 514-683-6113; FAX: 514-683-3312; www.algacsa</p>			
<p><b>TITLE</b> 12W C-BAND ODU TRANSMITTER OUTLINE DRAWING</p>			
SIZE	CAGE CODE	DWG NO.	REV
B		OD•NJAL5964-12N	0B
SCALE 1:4		SHEET 1 OF 1	

REV#	DATE	APPROVED
0A	NOV 29, 2005	VT
0B	MAR 23, 2010	M.B.

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0A	NOV 29, 2005	VT
0B	MAR 23, 2010	M.B.

B

