

BDS-108

1Watt ISM Band 2.4GHz Booster

■ Product Specification

Version:1.0

Date: 2007/02/1

Item	Parameter	Min.	Typ.	Max.	Unit	Remark
1	Frequency Range	2400		2500	MHz	
2	Output Power @ 1dB Compression	28	30		dBm	
3	Linear Output Power	25	26	27	dBm	@ 802.11b / 11Mbps
		21.5	23		dBm	@ 802.11g / 54Mbps
4	EVM at Pout=23dBm			5.6	%	
5	Tx Mode Turn On Power	3	5	15	dBm	Adjustable depend on customer
6	Fixed Transmit Gain	10		20	dB	
7	Receiver Input Power			-15	dBm	
8	Receiver Gain	7	11	14	dB	
9	Noise Figure		3.5		dB	
10	Transmit Current consumption		300		mA	@23dBm
			550			@27dBm
			700	850		@30dBm
11	Receiver Current consumption		90		mA	
12	DC Supply Voltage	7	7.5	9	V	
13	LED Color for Power on					Red

【Note 1】 : Operating mode support: bi-directional, half-duplex and Auto-Switching (Plug & Play).

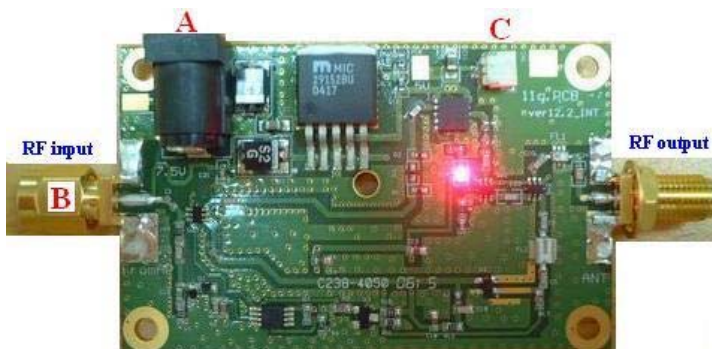
【Note 2】 : The above spec is defined base on 25 °C / RH=70%.

■ Connecting DC Power and RF Signal

Option A: 7.5Vdc via black DC Jack. DC Jack Diameter: 2.1/5.5mm

Option B: 7.5Vdc via RF input SMA connector.

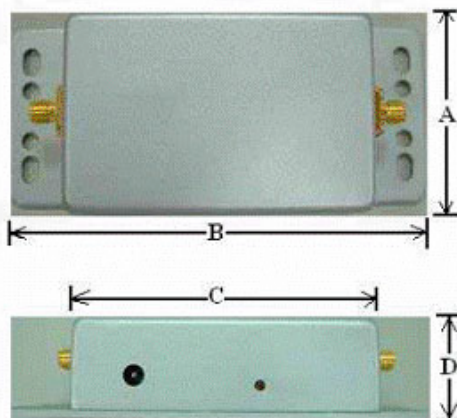
Option C: 5Vdc via small white DC Jack on the right up side.



RF Input Connector: RP-SMA Males, RF Output Connector: RP-SMA Female

■ Product Dimension

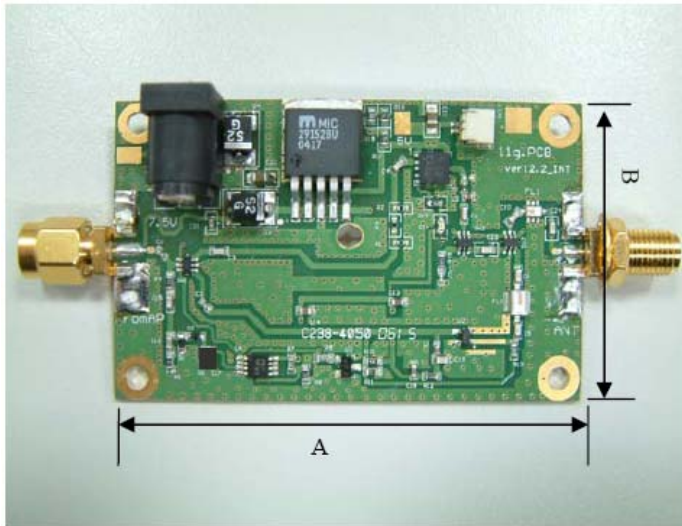
■ Product Dimension



A = 50mm, B = 115mm
C = 75mm, D = 25mm



DC Power Plug diameter: 2.1mm Φ / 5.5mm Φ
RF Connector: SMA Female(50 Ω)



Dimensions(mm±0.5mm):

A= 65.0mm±0.5 B= 40.0mm±0.5

C= 2.9mm±0.2 D= 1.2mm±0.1 E= 11mm±0.2

