

[Application Note]

- Part Name : BBA31
- Test Frequency : 500~3500MHz
- Main Application Goal : Evaluation Board Application Circuit Note
- Measuring Equipment List
Network Analyzer : E5071B , Signal : N5182A, Spectrum Analyzer : N9020A

▪ Test Result :

Frequency	MHz	900	1800	2650	3500	Remark
Gain	dB	14.7	14.8	14.4	13.4	-
S11	dB	-14.7	-21.4	-11.7	-6.8	Log magnitude
S22	dB	-12.7	-24.1	-11.5	-6.0	Log magnitude
P1	dBm	22.3	21.8	20.2	19.4	-
OIP3	dBm	41.5	39.5	37.1	35.4	@5dBm/tone, Δf=1MHz
Current	mA	97				@Vd = 5V

*Appendix: TEST items available to change depending on the situation.

***Application Circuit_500~3500MHz**

Schematic Diagram		BOM		Remark	
		C1	0603	1uF	-
		C2	0603	100pF	-
		C3	0603	100pF	-
		C4	0603	100pF	-
		L1	0603	22nH	-
		U1	DFN8L 2x2	BBA03	-
E/B Configuration		Reference	Object	Distance	Remark
		Input pin	-	mm	-
		Output pin	-	mm	-

[S-parameter]

