

[Application Note]

- PART Name : BBA03
- TEST FREQUENCY : 70~1200MHz
- Main Application Goal : wildband
- Measuring Equipment List

Network Analyzer : N5242A , Signal : E4438C & IFR3416, Spectrum Analyzer : E4440A

▪ Test Result :

Frequency	MHz	70	300	500	700	900	1200	Mark
Gain	dB	15.1	14.9	14.8	14.7	14.6	14.4	
S11	dB	-15.6	-20.4	-21.7	-24.2	-29.7	-25.9	
S22	dB	-17.1	-16.9	-17.4	-19.8	-20.1	-19.1	
OIP3	dBm	38.7	38.8	38.4	37.8	37.5	36.3	@5dBm/tone
P1	dBm	20.6	20.7	20.7	20.6	20.2	20.0	
Current	mA	99						Vcc = 5V

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

*Application Circuit_50~1200MHz			
Schematic Diagram	BOM	Marks	
	C1	0603	2.2nF
	C2	0603	2.2nF
	C3	0603	100pF
	C4	0603	1uF
	L1	0603	1uH
	U1	SOT89	BBA03
E/B Configuration		Marks	

[S-parameter]



