

[Application Note]

- PART Name : BNT02
- TEST FREQUENCY : 900~5800MHz
- Main Application Goal : broadband
- Measuring Equipment List

Network Analyzer : N5242A , Signal : N5182A & N5182B, Spectrum Analyzer : N9030B

▪ Test Result :

Frequency	MHz	900	1800	2600	3500	4800	5800	Mark
Gain	dB	17.3	16.8	17.4	16.9	14.4	14.5	
S11	dB	-7.2	-5.7	-7.3	-9.7	-8.2	-8.3	
S22	dB	-3.1	-3.9	-8.0	-8.0	-3.1	-2.6	
OIP3	dBm	28.9	30.3	34.5	34.6	30.9	33.4	@5dBm/tone
P1	dBm	16.6	19.0	21.1	19.6	18.7	18.0	
Current	mA	81						Vcc = 5V

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

*Application Circuit_600~3600MHz

Schematic Diagram	BOM	Marks
	C1	0603 22pF
	C2	0603 1.5pF
	C3	0603 100pF
	C4	0603 1uF
	L1	0603 22nH
	U1	SOT89 BNT02

E/B Configuration	Marks

[S-parameter]

