

## [Application Note]

- PART Name : BNT02
- 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	21.0	21.1	21.0	20.8	20.5	19.8	
S11	dB	-8.6	-15.7	-15.5	-14.4	-13.3	-11.7	
S22	dB	-16.4	-21.1	-19.4	-16.6	-14.3	-11.5	
OIP3	dBm	36.4	36.9	36.8	36.6	36.2	35.5	@5dBm/tone
P1	dBm	21.3	21.9	21.8	21.8	21.5	21.3	
Current	mA	85						Vcc = 5V

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

*Application Circuit_50~1200MHz			
Schematic Diagram	BOM		Marks
	C1	0603 220pF	
	C2	0603 220pF	
	C3	0603 100pF	
	C4	0603 1uF	
	L1	0603 220nH	
	U1	SOT89 BNT02	
E/B Configuration			Marks

[S-parameter]



