



Wide Band Gain Block

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter	
BG11C	50-4000	70	22.8	15.9	29.9	6dBm	5.0	48	SOT89	-	BG11C.S2P	
		500	22.3	15.8	28.0							4.3
		900	21.9	16.4	29.5							4.5
		1900	20.8	17.3	30.0							3.9
		2450	19.9	16.5	28.0							4.0
	50-4000	70	22.3	13.0	25.6	6dBm	4.5	35	SOT89	BG11C_LTE2600_App		
		500	21.8	12.9	23.0							4.2
		900	21.5	13.0	24.0							4.1
		1900	20.5	14.3	26.0							4.4
												3.8
				3.9								

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Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter
		2450	19.7	15.0	23.0	4.1					
BG12B	50-4000	70	18.6	20.1	36.5	2.8	5.0	77	SOT89		BG12B.S2P
		500	17.5	20.6	38.0	3.0				-	
		900	17.1	20.9	37.0	2.9				-	
		1900	15.0	20.0	34.5	3.1				-	
		2450	13.9	18.3	33.0	3.2				BG12B_LTE2600_App	
	50-4000	70	18.5	18.0	35.0	2.6	4.5	58	SOT89	-	
		500	17.4	18.3	34.5	2.9					
		900	17.0	18.5	34.0	2.8					
		1900	14.9	18.1	30.5	3.0					
		2450	13.8	17.0	31.0	3.1				-	
BG12C	50-4000	70	21.5	20.0	36.0	2.6	5.0	67	SOT89		BG12C.S2P
		500	20.5	21.0	35.5	2.6					
		900	20.5	21.0	35.0	2.6				-	
		1900	18.5	20.0	33.0	2.7				-	
		2450	17.5	18.0	31.0	2.8				-	

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter	
	50-4000	3500	16.1	15.5	27.2		2.8			BG12C_LTE2600_App		
		70	21.0	18.0	31.0		2.5			BG12C_3.5G_3.7G_App		
		500	20.5	18.0	31.0		2.5			-		
		900	20.2	17.5	30.5	7dBm	2.5	4.5	49	SOT89		-
		1900	18.5	17.5	30.5		2.5					-
		2450	17.5	16.5	29.0		2.6					-
BG13B	5-4000	70	13.8	18.4	38.0		8.1				BG13B.S2P	
		120	13.8	18.6	37.5		8.1					
		900	13.5	18.5	37.0		8.1					
		1900	13.3	18.5	35.0	7dBm	8.3	5.0	70	SOT89		
		2140	13.0	18.5	35.0		8.3					
		2450	12.5	18.5	35.0		8.4			BG13B_App		
	3500	12.1	17.7	30.0		8.5				-		
	5-4000	70	13.7	16.0	35.0		8.1					BG13B_LTE2600_App
		120	13.7	15.9	34.0	7dBm	8.1	4.5	58	SOT89		BG13B_3.5G_3.7G_App
		900	13.4	15.8	32.0		8.1					

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter
		1900	13.2	15.9	31.5	8.3					
		2140	12.9	15.9	31.0	8.3					
		2450	12.5	16.1	32.5	8.4					
BG13D	5-4000	70	26.5	18.8	36.0	4.0	5.0	65	SOT89		BG13D.S2P
		900	24.5	19.0	32.0	4.0					
		1900	21.5	19.0	32.0	4.2					
		2140	21.4	19.0	31.5	4.3					
		2450	20.0	19.0	31.5	4.5				BG13D_App	
		3500	18.0	17.6	29.5	5.3				-	
	5-4000	70	24.8	14.4	26.0	4.0	4.5	34	SOT89	BG13D_LTE2600_App	
		900	23.1	14.1	23.0	4.0				BG13D_3.5G_3.7G_App	
		1900	20.6	13.8	23.5	4.2					
		2140	20.5	13.8	23.0	4.3					
2450		19.3	15.2	23.5	4.5						
BG14A	5-4000	5	16.0	19.0	36.0	5.4	5.0	85	SOT89		
		70	17.0	19.7	38.5	5.4					

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter	
		900	16.7	19.7	37.5	5.5						
		1900	16.0	19.7	35.5	6.0						
		2450	15.4	19.7	34.5	6.3				BG14A_App		
		3500	14.1	17.9	29.5	7.3				-		
	5-4000	5	15.9	17.2	35.0	5.4	4.5	69	SOT89	BG14A_LTE2600_App		
		70	16.9	17.9	37.5	5.4				BG14A_3.5G_3.7G_App		
		900	16.5	17.4	33.5	5.5				9dBm		
		1900	15.9	17.5	32.5	6.0						
		2450	15.3	17.3	32.5	6.3						
BG14B	5-4000	70	17.3	19.5	37.0	5.0	5.0	75	SOT89		BG14B.S2P	
		120	17.7	19.5	37.0	5.0						
		900	17.0	19.5	36.5	5.0				9dBm		
		1900	16.0	19.5	35.0	5.2						
		2450	15.2	19.5	33.5	5.5				BG14B_App		
		3500	14.3	17.6	29.0	7.0				-		
	5-4000	70	16.6	17.2	33.0	9dBm	4.8	4.5	58	SOT89		BG14B_LTE2600_App

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter
		120	17.0	17.2	33.0	4.9				BG14B_3.5G_3.7G_App	
		900	16.8	16.6	32.0	5.0					
		1900	15.8	16.7	31.5	5.0					
		2450	15.1	16.8	30.5	5.5					
BG15A	50-4000	70	23.0	18.7	33.0	2.8	5.0	55	SOT89		BG15A.S2P
		500	21.5	18.3	33.2	2.9					
		900	21.2	17.8	32.7	2.9				-	
		1900	19.2	17.4	31.2	2.9				-	
		2140	18.7	17.1	30.5	2.9				-	
		2450	18.0	16.7	29.6	3.1				-	
		3500	16.6	15.3	28.0	3.3				BG15A_LTE2600_App	
	50-4000	70	22.2	14.5	25.3	2.6	4.5	34	SOT89	BG15A_3.5G_3.7G_App	
		500	20.7	14.6	25.5	2.8				-	
		900	20.6	13.9	25.1	2.8				-	
		1900	18.8	14.4	25.3	2.8				-	
		2140	18.3	14.5	25.2	2.8				-	

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter
		2450	17.5	14.8	25.0	3.0				-	
		3500	16.3	14.2	25.4	3.0				-	
BG16C	5-4000	70	20.2	17.8	31.0	4.5	5.0	40	SOT89		BG16C.S2P
		120	18.9	17.3	31.0	4.5					
		900	17.0	16.1	28.5	4.5					
		1900	16.0	15.2	27.0	4.6					
		2140	15.7	15.5	28.0	4.6					
		2450	15.3	15.0	27.5	4.7				BG16C_App	
	5-4000	70	19.4	13.3	23.5	4.5	4.5	29	SOT89	BG16C_LTE2600_App	
		120	18.1	12.8	23.5	4.5					
		900	16.3	11.8	22.0	4.6					
		1900	15.4	12.0	20.0	4.5					
		2140	15.2	12.2	22.0	4.6					
		2450	14.8	13.0	22.0	4.7					
BG17A	5-4000	70	21.0	18.3	37.0	4.7	5.0	65	SOT89		BG17A.S2P
		120	20.3	18.9	37.0	4.7					

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter	
		900	18.8	19.2	35.0	4.8						
		1900	17.0	19.2	33.0	4.9						
		2140	16.8	19.0	32.5	4.9						
		2450	16.2	18.0	31.0	4.9				BG17A_App		
		3500	14.8	16.1	28.6	5.5				-		
	5-4000	5dBm	70	20.6	15.0	31.0	4.7	4.5	45	SOT89	BG17A_LTE2600_App	
			120	19.9	15.6	31.0	4.7				BG17A_3.5G_3.7G_App	
			900	18.5	15.3	29.0	4.8					
			1900	16.7	16.1	29.0	4.9					
			2140	16.5	15.9	28.5	4.9					
			2450	16.0	17.0	27.5	4.9					
BG17C	5-4000	70	20.4	17.8	34.0	3.8	5.0	55	SOT89		BG17C.S2P	
		120	19.3	18.5	33.5	3.8						
		900	17.8	17.5	31.0	3.9						
		1900	16.4	17.0	30.0	4.0						
		2450	15.6	16.1	29.0	4.0				BG17C_App		

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	5-4000	70	19.5	13.6	27.5	2dBm	4.5	37	SOT89	BG17C_LTE2600_App	
		120	18.6	14.3	27.0					3.8	
		900	17.4	14.3	24.5					3.8	
		1900	15.9	13.7	24.5					3.9	
		2450	15.3	12.7	24.0					4.0	
BG18A	50-4000	70	17.5	18.0	36.0	7dBm	5.0	70	SOT89		BG18A.S2P
		500	16.0	18.7	37.5					4.2	
		900	15.5	19.1	36.0					4.2	
		1900	15.0	18.9	32.5					4.2	
		2100	14.7	18.7	31.5					4.2	
	2450	14.3	17.8	30.5	4.4	-					
	50-4000	70	17.3	16.9	33.5	7dBm	4.5	57	SOT89	BG18A_LTE2600_App	
		500	15.9	16.4	33.0					4.2	
		900	15.4	16.8	32.5					4.2	
		1900	14.9	17.1	30.5					4.2	
2100		14.6	17.4	30.5	4.2						

Part No.	BW (MHz)	Freq. (MHz)	Gs (dB)	P1 (dBm)	OIP3/tone (dBm)	NF (dB)	Vc (V)	Ic (mA)	PKG	Application Note	S-Parameter	
		2450	14.2	16.2	29.0	4.4						
BG18B	50-4000	70	22.0	18.0	35.0	3.6	5.0	72	SOT89		BG18B.S2P	
		500	20.7	18.8	35.0	3.6						
		900	20.3	19.0	34.0	3.4						
		1900	18.5	18.9	31.5	3.2				7dBm		
		2100	18.3	18.6	31.0	3.4						
		2450	17.5	17.8	30.5	3.4						
		3500	15.1	15.8	27.0	4.6						BG18B_App
	50-4000	70	21.7	14.1	31.5	3.6	4.5	53	SOT89	BG18B_LTE2600_App		
		500	20.5	16.8	32.0	3.6				BG18B_3.5G_3.7G_App		
		900	20.1	16.5	30.5	3.4						
		1900	18.4	16.2	29.5	3.2						
		2100	18.1	16.8	30.5	3.4						
		2450	17.4	15.7	29.0	3.4						
	BG18C	50-4000	70	23.5	19.0	35.0	3.8	5.0	73	SOT89		
500			22.4	20.0	36.0	3.8	7dBm					

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		900	22.2	20.1	35.5	3.6						
		1900	20.9	18.8	32.5	3.7						
		2100	20.6	18.3	31.5	3.7						
		2450	19.9	17.3	32.0	3.9						
	50-4000	70	23.1	17.3	32.0	3.8	4.5	52	SOT89	BG18C_App		
		500	22.2	17.2	32.0	3.8				BG18C_LTE2600_App		
		900	21.9	16.7	31.0	3.6						
		1900	20.7	16.8	30.0	3.7						
		2100	20.5	17.2	29.5	3.7						
		2450	19.8	15.4	29.0	3.9						
	BG18D	50-4000	500	24.3	19.5	36.0	4.2	5.0	83	SOT89		
900			24.1	19.5	35.0	4.2	BG18D_App					
1900			22.2	19.0	32.0	4.3	BG18D_LTE2600_App					
2450			20.8	17.3	30.5	4.5						