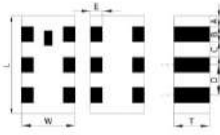
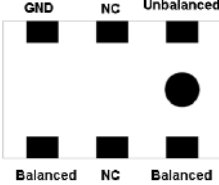
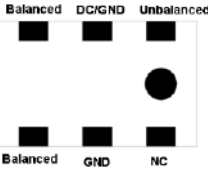
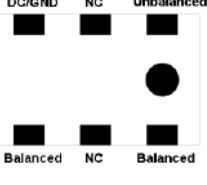
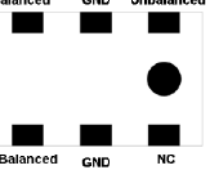
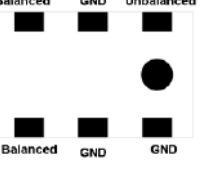
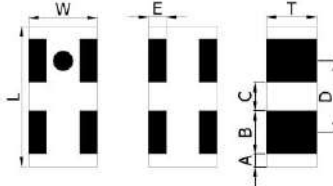
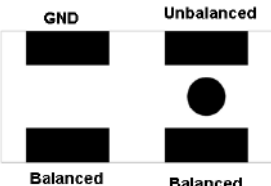
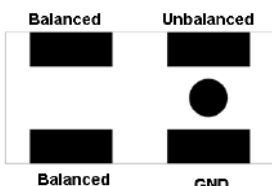
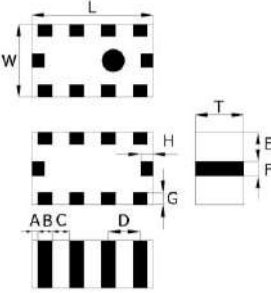
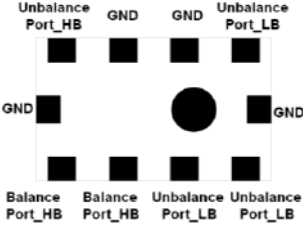
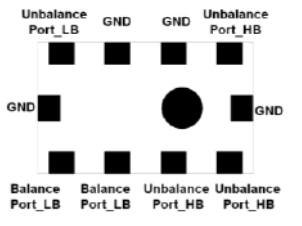
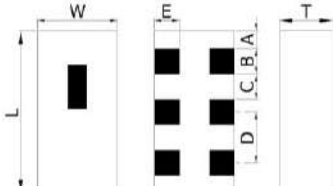
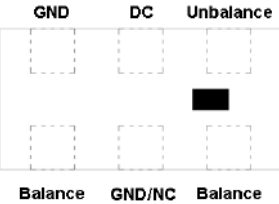
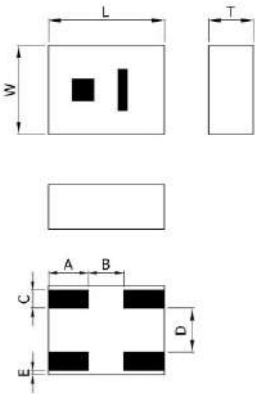
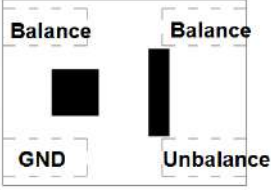
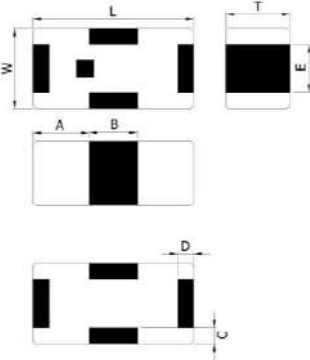


BALUN TRANSFORMERS

■ STRUCTURE AND PIN ASSOCIATED

STRUCTURE A					
	STRUCTURE A-1	STRUCTURE A-2	STRUCTURE A-3	STRUCTURE A-4	STRUCTURE A-5
					
STRUCTURE B					
	STRUCTURE B-1	STRUCTURE B-2			
					
STRUCTURE C					
	STRUCTURE C-1		STRUCTURE C-2		
					
STRUCTURE D					
					
STRUCTURE E					
					
STRUCTURE F					
					

■ STRUCTURE AND DIMENSION

Unit: mm

Structure/ Dimension	L	W	T	A	B	C	D	E	F	G	H
A	1.60±0.10	0.85±0.10	0.70±0.10	0.20±0.10	0.20±0.10	0.30±0.10	0.50±0.05	0.50±0.05	-	-	-
	1.60±0.15	0.80±0.10	0.50±0.10	0.175±0.15	0.25±0.15	0.25±0.15	0.50±0.15	0.20±0.15	-	-	-
		0.85±0.10	0.40 max.	0.175±0.15	0.25±0.15	0.25±0.15	0.50±0.15	0.20±0.15	-	-	-
			0.60±0.10	0.175±0.15	0.25±0.15	0.25±0.15	0.50±0.15	0.20±0.15	-	-	-
		0.85±0.15	0.70±0.10	0.175±0.15	0.25±0.15	0.25±0.15	0.50±0.15	-	-	-	-
			0.65±0.10								
	2.00±0.15	1.25±0.15	0.80±0.10	0.20±0.20	0.30±0.20	0.35±0.20	0.65±0.20	-	-	-	-
			0.85±0.10	0.20±0.20	0.30±0.20	0.35±0.20	0.65±0.20	-	-	-	-
			0.80±0.10	0.20±0.15	0.30±0.20	0.35±0.20	0.65±0.20	-	-	-	-
			0.95±0.10	0.20±0.20	0.30±0.20	0.35±0.20	0.65±0.20	-	-	-	-
B	1.00±0.10	0.50±0.10	0.37±0.10	0.10±0.10	0.30±0.10	0.20±0.10	0.50±0.10	0.125±0.10	-	-	-
	1.00±0.10	0.50±0.10	0.40±0.10	0.10±0.10	0.30±0.10	0.20±0.10	0.50±0.10	0.125±0.10	-	-	-
C	2.00±0.10	1.25±0.15	0.90±0.10	0.125±0.10	0.25±0.10	0.25±0.10	0.50±0.10	0.475±0.10	0.30±0.10	0.20±0.15	0.20±0.15
D	1.60±0.15	0.80±0.15	0.50±0.10	0.175±0.10	0.25±0.10	0.25±0.10	0.50±0.10	0.25±0.10	-	-	-
E	0.65±0.10	0.50±0.10	0.40±0.10	0.20±0.05	0.20±0.05	0.025±0.025	0.10±0.05	0.25±0.05	0.025±0.025	-	-
F	1.00±0.10	0.50±0.10	0.5 max.	0.35±0.10	0.30±0.10	0.15±0.10	0.15±0.10	0.30±0.10	-	-	-

■ ELECTRICAL SPECIFICATION

ISM Band 2.4GHz APPLICATION

Part Number	Frequency Range (MHz)	Impedance(Ω)		Return Loss (dB) Min.	Insertion Loss (dB)	Amplitude Difference (dB) Max.	Phase Difference	Size(mm)	Structure
		Unbalance	Balance						
RFBLN1005040A3T	2400~2500	50	Conjugate match to AR6003 chipset	10	1.4	2.0	180± 10	1.00x0.50x0.40	B-1
RFBLN1005040A6T	2400~2500	50	50	10	0.8	2.0	180± 10	1.00x0.50x0.40	B-2
RFBLN1608050AAT	2400~2500	50	Conjugate match to AR6003 chipset	10	1.2	2.0	180± 10	1.60x0.80x0.50	D
RFBLN1608060AM1T59	2400~2500	50	200	10	1.2	2.0	180± 10	1.60x0.80x0.65	A-3
RFBLN1608050AM8T62	2400~2500	50	50	10	1.2	2.0	180± 10	1.60x0.80x0.50	A-2
RFBLN1608050AM0T63	2400~2500	50	50	10	1.0	1.0	180± 10	1.60x0.80x0.55	A-2
RFBLN1608050AM6T30	2400~2500	50	35	10	1.0	1.0	180± 10	1.60x0.80x0.55	A-2
RFBLN1608060AC6T40	2400~2500	50	Conjugate match to TI CC26XX Chipset	10	1.6(25°C) 1.8(-40~+85°C)	2.3	180± 18	1.60x0.80x0.60	A-5
RGBLN1608070A1T	2400~2500	50	100	10	1.5	2.0	180± 15	1.60x0.85x0.70	A-1
RFBLN1608070A3T	2400~2500	50	100	10	1.0	2.0	180± 10	1.60x0.85x0.70	A-1
RFBLN1608070A4T	2400~2500	50	100	10	1.0	2.0	180± 10	1.60x0.80x0.70	A-1
RGBLN1608070A5T	2400~2500	50	100	10	1.2	2.0	180± 10	1.60x0.80x0.70	A-2
RGBLN2012080A5T	2400~2500	50	50	12	1.0	1.0	180± 10	2.00x1.25x0.85	A-2
RFBLN2012080A7T	2400~2500	50	100	10	1.0	2.0	180± 10	2.00x1.25x0.80	A-2
RGBLN2012090A0T	2400~2500	50	50	10	1.2	2.0	180± 10	2.00x1.25x0.95	A-2
RFBLN2012090A1T	2400~2500	50	100	10	1.0	2.0	180± 10	2.00x1.25x0.95	A-2

ISM Band 5GHz APPLICATION

Part Number	Frequency Range (MHz)	Impedance(Ω)		Return Loss (dB) Min	Insertion Loss (dB)	Amplitude Difference (dB) Max.	Phase Difference	Size (mm)	Structure
		Unbalance	Balance						
RFBLN1005040K1T	4900~5950	50	50	10	1.2	2.0	180± 10	1.00x0.50x0.40	B-2
RFBLN1005040K5T	4900~5950	50	100	10	0.55(25°C) 0.75(-40~+85°C)	2.5	180± 10	1.00x0.50x0.40	B-2
RFBLN1005040K6T	4900~5950	50	50	10	0.60(25°C) 0.80(-40~+85°C)	2.5	180± 15	1.00x0.50x0.40	B-2
RFBLN2012090K0T	4900~5900	50	50	10	1.1	2.0	180± 10	2.00x1.25x0.95	A-4
RFBLN2012090K1T	4900~5900	50	100	10	1.2	2.0	180± 10	2.00x1.25x0.95	A-4

LTE Band APPLICATION

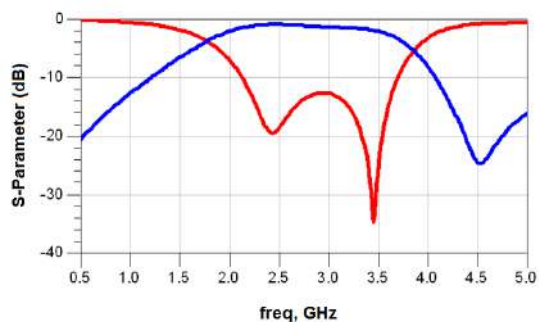
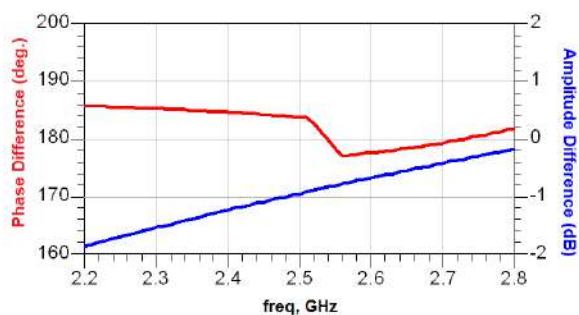
Part Number	Frequency Range (MHz)	Impedance(Ω)		Return Loss (dB)Min	Insertion Loss (dB)	Amplitude Difference (dB) Max.	Phase Difference	Size (mm)	Structure
		Unbalance	Balance						
RFBLN0605040Y1T	717~821	50	100	15	0.55(25℃) 0.65(-40~+85℃)	2.0	180± 10	0.65x0.50x0.40	E
RFBLN0605040YM9T16	729~821	50	100	10	0.55(25℃) 0.65(-40~+85℃)	2.0	180± 10	0.65x0.50x0.40	E
RFBLN0605040Y09FNH	729~869	50	100	15	0.55(25℃) 0.65(-40~+85℃)	2.5	180± 10	0.65x0.50x0.40	E
RFBLN1005040YM1T69	703~803	50	100	10	0.80	2.0	180± 12	1.00x0.50x0.40	F
RFBLN06050G9D0T	729~960	50	100	15	0.85(25℃) 0.95(-40~+85℃)	4.8	180± 10	0.65x0.50x0.40	E
RFBLN16080G9D2T	699~960	50	100	10	1.05(25℃) 1.15(-40~+85℃)	2.5	180± 15	1.60x0.80x0.70	A-4
RFBLN16080G9D3T	824~894	50	50	10	1.2	1.0	180± 10	1.60x0.80x0.60	A-2
RFBLN20120G9D0T	824~894	50	100	10	1.2	1.0	180± 10	2.00x1.25x0.90	A-2
RFBLN20120G9D5T	880~960	50	100	10	1.1	1.0	180± 10	2.00x1.25x0.90	A-2
RFBLN06051G8DM1T69	1805~1990	50	100	10	0.60(25℃) 0.65(-40~+85℃)	1.8	180± 10	0.65x0.50x0.40	E
RFBLN06051G8D1T	1805~2170	50	100	10	0.65(25℃) 0.70(-40~+85℃)	3.0	180± 15	0.65x0.50x0.40	E
RFBLN20121G8D1T	1700~2000	50	100	10	1.0	2.0	180± 10	2.00x1.25x0.95	A-2
RFBLN10051G9D0T	1805~2020	50	100	10	0.65(25℃) 0.75(-40~+85℃)	2.0	180± 10	1.00x0.50x0.40	B-2
RFBLN10051G9D1T	1805~1990	50	100	10	0.60(25℃) 0.70(-40~+85℃)	2.2	180± 12	1.00x0.50x0.40	B-2
RFBLN1005040F0T	1805~2170	50	100	10	0.70(25℃) 0.80(-40~+85℃)	1.2	180± 15	1.00x0.50x0.40	F
RFBLN1608070F48Q1C	673~2700	50	100	10	1.7(25℃) 2.0(-40~+85℃)	1.5	180± 17	1.60x0.80x0.70	A-4
RFBLN2012090F0T	1920~1980 2110~2170	50	50	10	1.0	2.0	180± 10	2.00x1.25x0.95	A-2
RFBLN0605040E0T	2000~2500	50	100	10	0.60(25℃) 0.70(-40~+85℃)	3.5	180± 10	0.65x0.50x0.40	E
RFBLN2012090E0T	1500~3000	50	100	10	1.0	2.0	180± 10	2.00x1.25x0.90	A-4
RFBLN06052G5WM9T16	2300~2690	50	100	10	0.55(25℃) 0.65(-40~+85℃)	2.5	180± 10	0.65x0.50x0.40	E
RFBLN10052G5WM9T16	2300~2690	50	100	10	0.55(25℃) 0.65(-40~+85℃)	2.5	180± 10	1.00x0.50x0.40	B-1
RFBLN10052G5W37N2T	2300~2690	50	100	10	0.65(25℃) 0.75(-40~+85℃)	2.5	180± 10	1.00x0.50x0.40	B-2
RFBLN16082G5W0T	2300~2700	50	100	10	1.1	2.0	180± 10	1.60x0.80x0.70	A-2
RFBLN16082G5W38Q1C	2300~2700	50	100	10	0.55(25℃) 0.65(-40~+85℃)	1.0	180± 10	1.60x0.80x0.40	A-4
RFBLN16082G5W4T	2300~2700	50	50	10	1.2	2.0	180± 10	1.60x0.80x0.50	A-2

GSM 850/ GSM 900/ DCS1800/ PCS1900 APPLICATION

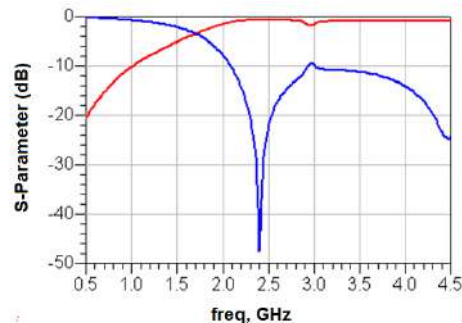
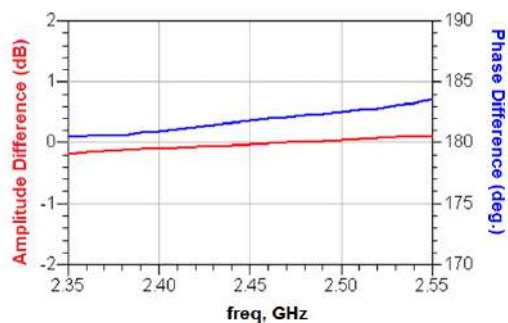
Part Number	Frequency Range (MHz)	Unbalance	Balance	Return Loss (dB) Min	Insertion Loss (dB)	Amplitude Difference (dB) Max	Attenuation (dB min.)	Phase Difference	Size(mm)	Structure
RFBLN2012090BM5T25	869~960	50	200	10	1.1	2.0	10(1738~1920MHz) 20(2400~2500MHz) 20(2607~2880MHz)	180± 10	2.00x1.25x0.95	C-1
	1805~2025	50	200	10	1.8	2.0	15(2400~2500MHz) 20(3610~3980MHz) 20(5415~5970MHz)	180± 15		
RFBLN2012090BS0T53	869~960	50	200	10	1.1(25℃) 1.3(-40~+85℃)	2.0	10(1738~1920MHz) 20(2400~2500MHz) 20(2607~2880MHz)	180± 15	2.00x1.25x0.95	C-1
	1805~1990	50	200	10	1.6(25℃) 1.8(-40~+85℃)	2.0	15(2400~2500MHz) 15(3610~3980MHz) 20(5415~5970MHz)	180± 15		
RFBLN2012090BS0T50	869~960	50	200	10	1.1(25℃) 1.3(-40~+85℃)	2.0	10(1738~1920MHz) 20(2400~2500MHz) 20(2607~2880MHz)	180± 15	2.00x1.25x0.95	C-2
	1805~2025	50	200	10	1.8(25℃) 2.0(-40~+85℃)	2.0	15(2400~2500MHz) 15(3610~3980MHz) 20(5415~5970MHz)	180± 15		

■ TYPICAL ELECTRICAL CHARACTERISTICS

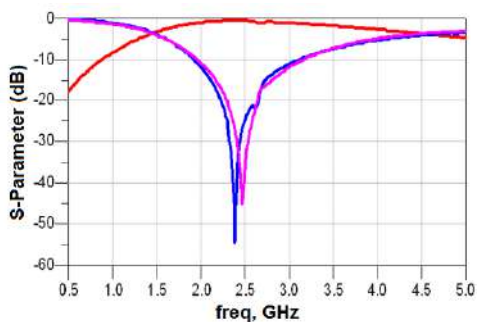
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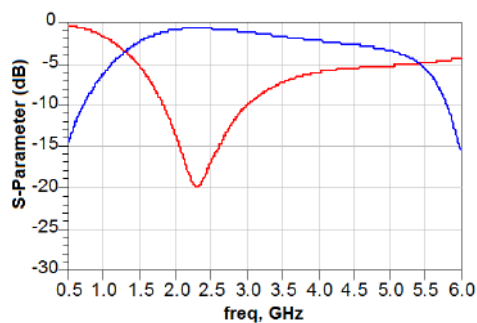
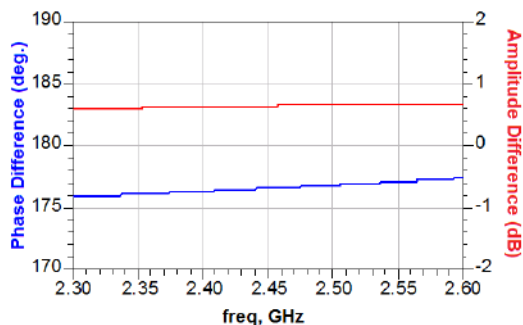
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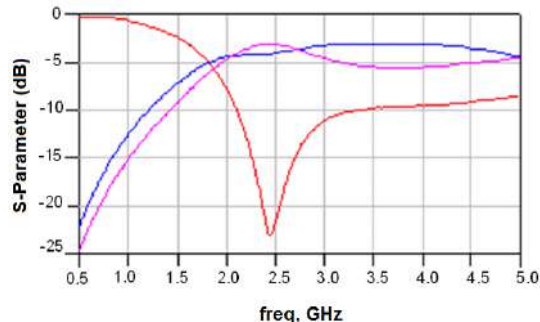
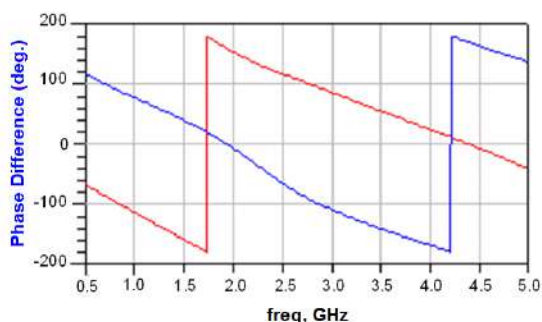
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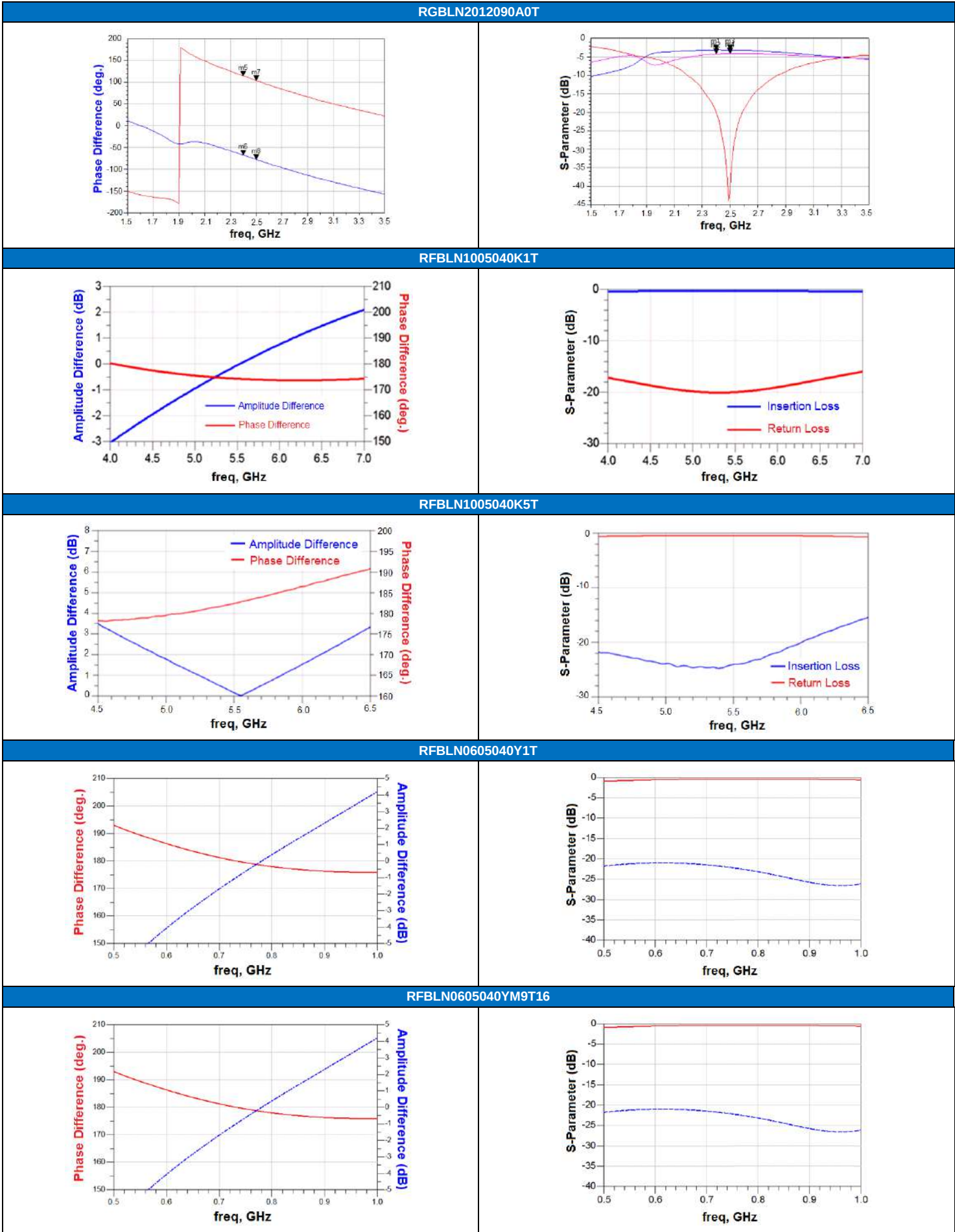
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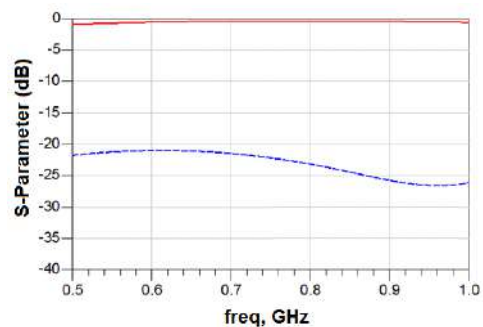
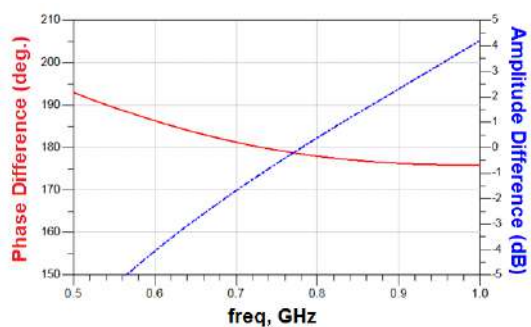


TYPICAL ELECTRICAL CHARACTERISTICS

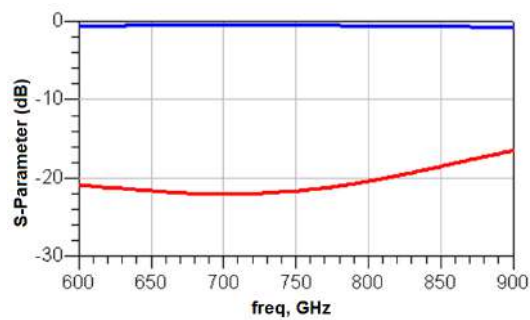
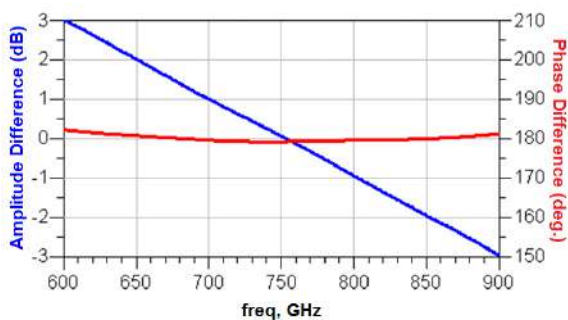


TYPICAL ELECTRICAL CHARACTERISTICS

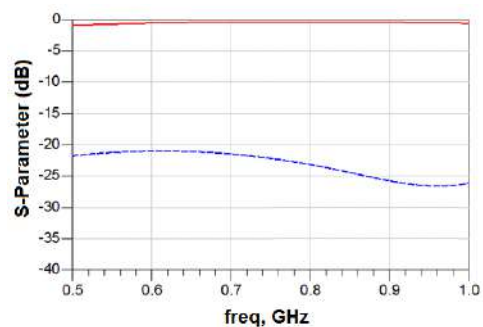
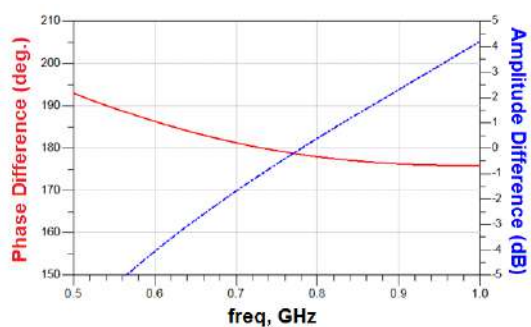
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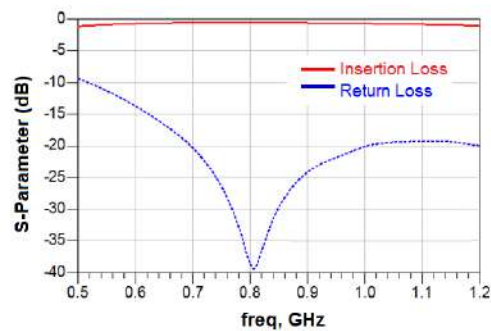
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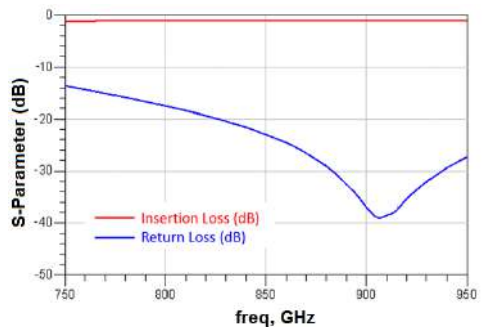
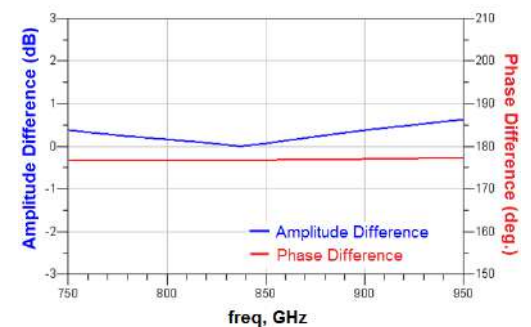
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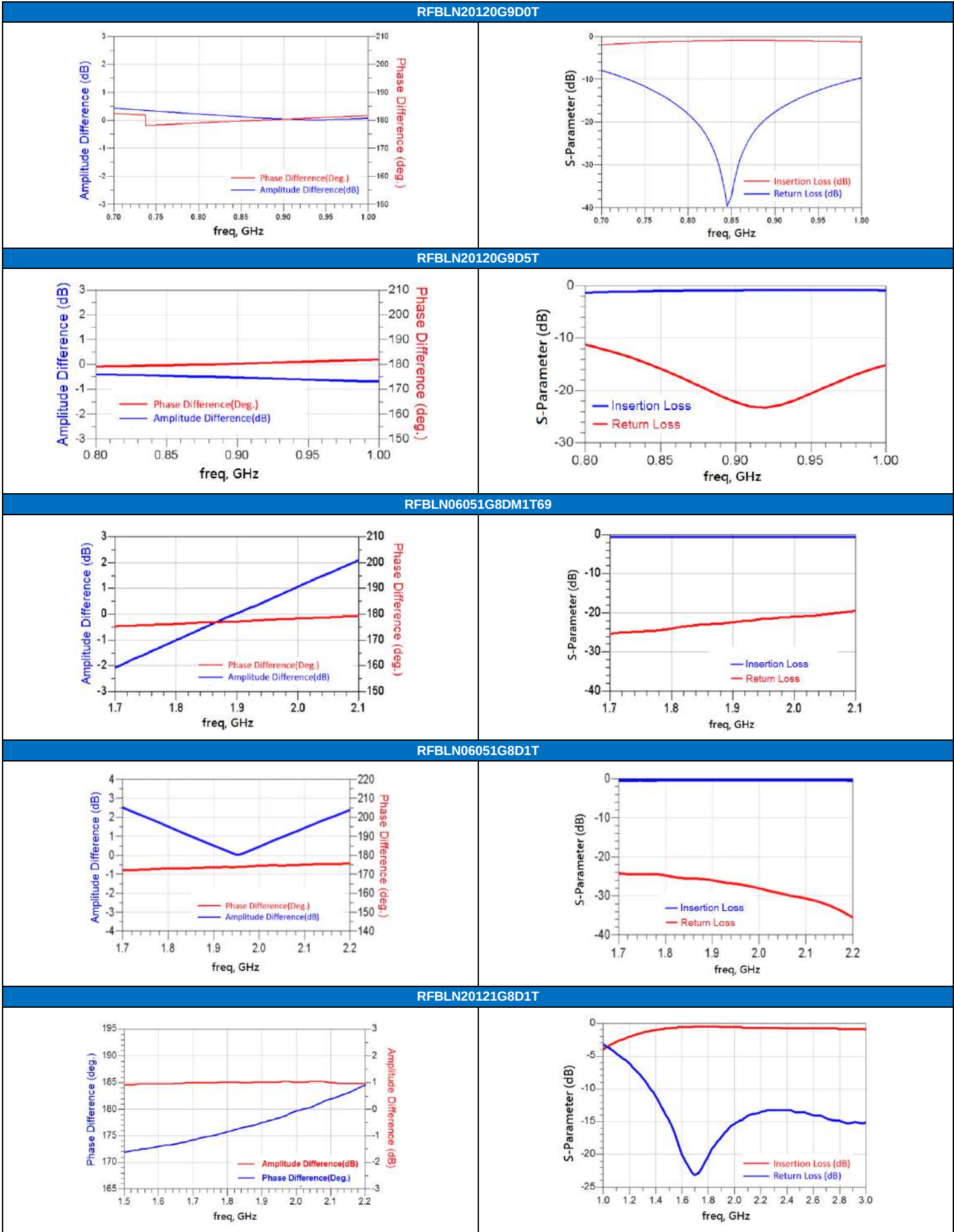
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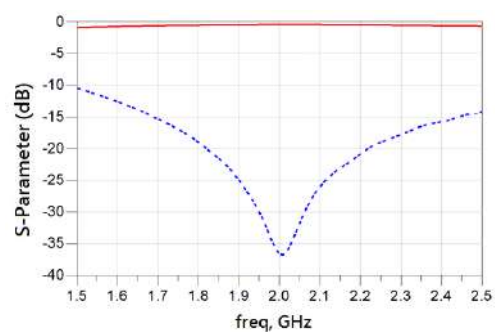
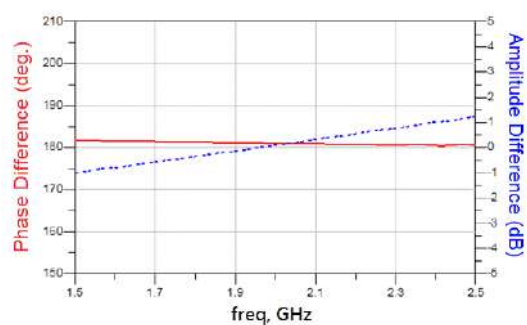


TYPICAL ELECTRICAL CHARACTERISTICS

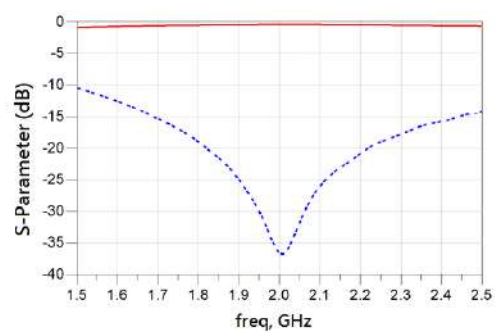
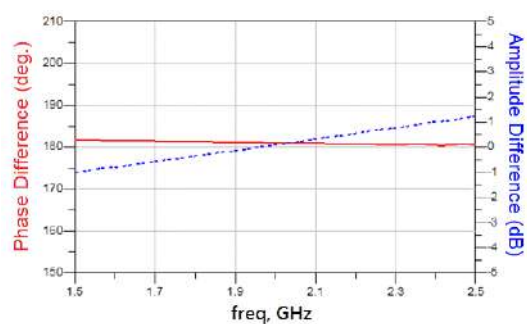


TYPICAL ELECTRICAL CHARACTERISTICS

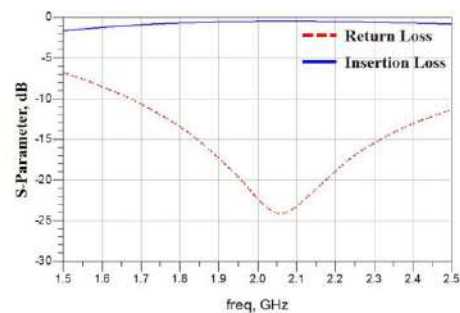
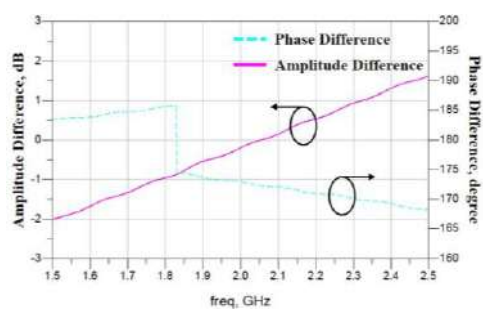
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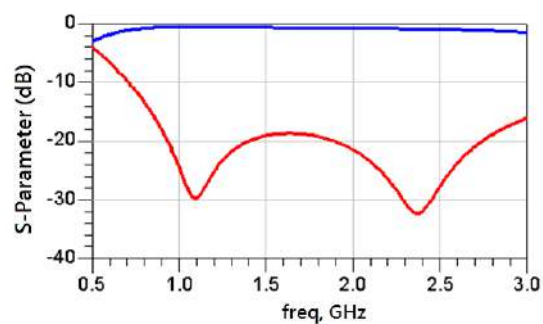
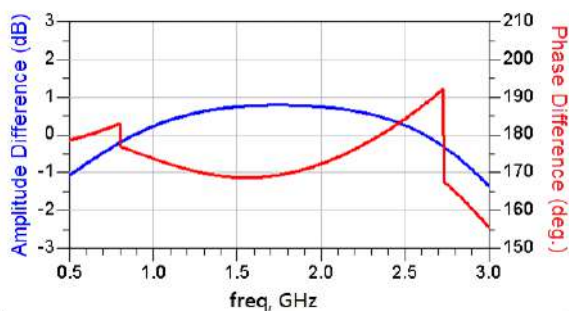
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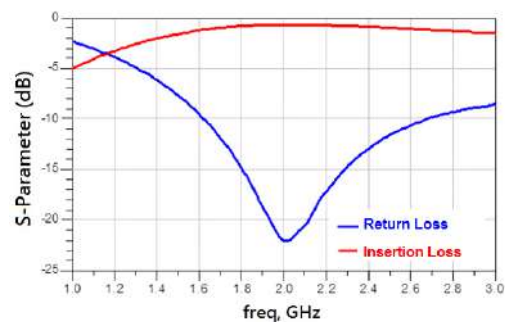
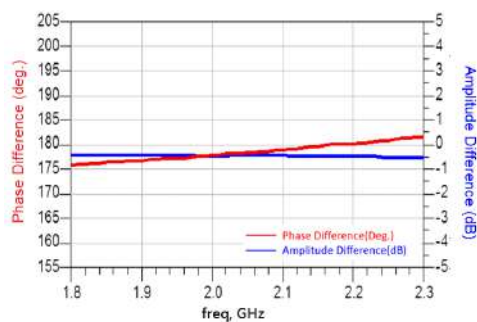
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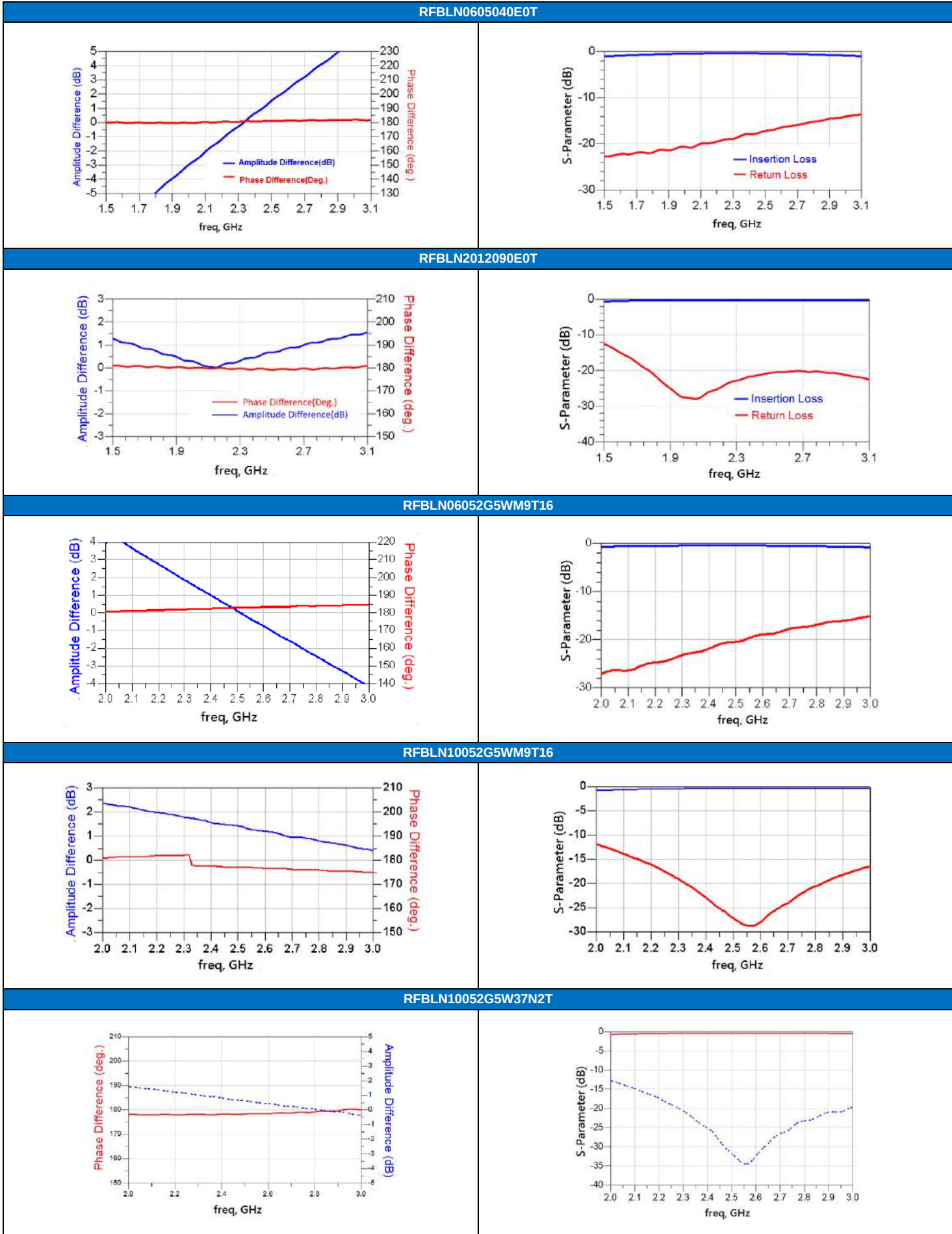
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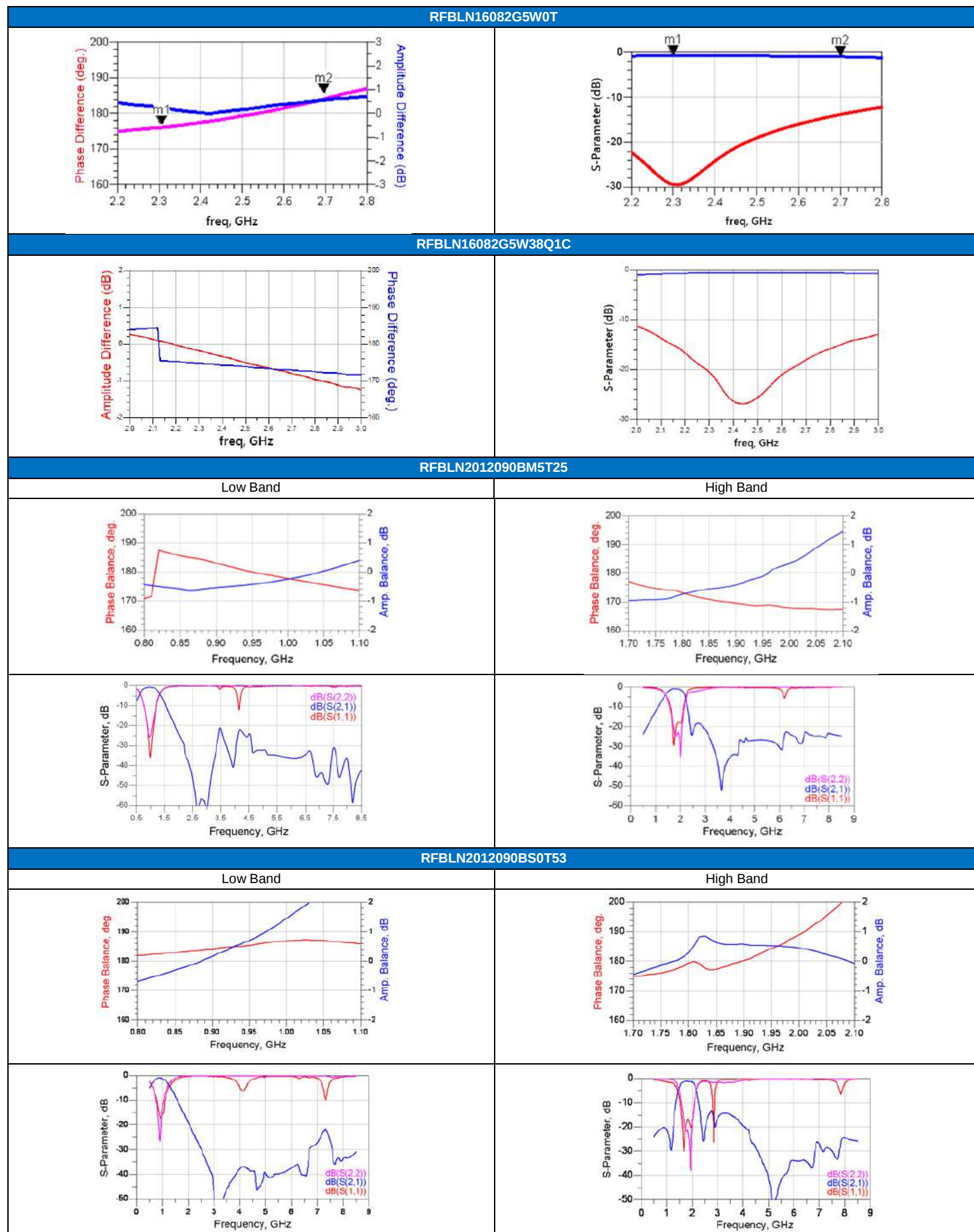
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TYPICAL ELECTRICAL CHARACTERISTICS



TYPICAL ELECTRICAL CHARACTERISTICS



- For more information, please contact with local sales representative
- All specifications are subject to change without notice