

HIGH FREQUENCY MULTILAYER BAND PASS FILTER

■ STRUCTURE AND PIN ASSOCIATED

STRUCTURE A	STRUCTURE B	STRUCTURE C	STRUCTURE D	STRUCTURE E	STRUCTURE F

HIGH FREQUENCY
MULTILAYER BAND PASS FILTER

■ STRUCTURE AND DIMENSION

Unit: mm

Structure Dimension	L	W	T	A	B	C	D	E	F	G	H	I
A	2.50±0.20	2.00±0.20	0.70±0.10	0.20±0.20	0.55±0.20	0.50±0.20	0.25±0.20	0.20±0.20	-	-	-	-
			0.90±0.10	0.20±0.20	0.55±0.20	0.50±0.20	0.20±0.20	0.20±0.20	-	-	-	-
			1.00±0.10	0.20±0.20	0.55±0.20	0.50±0.20	0.25±0.20	0.20±0.20	-	-	-	-
			1.05±0.10	0.25±0.20	0.50±0.20	0.50±0.20	0.25±0.20	0.25±0.20	-	-	-	-
			1.20±0.10	0.25±0.20	0.50±0.20	0.50±0.20	0.25±0.20	0.25±0.20	-	-	-	-
		2.05±0.20	0.70±0.20	0.25±0.20	0.50±0.20	0.50±0.20	0.25±0.20	0.25±0.20	-	-	-	-
	3.20±0.20	2.50±0.10	1.50±0.10	0.20±0.20	0.75±0.20	0.60±0.20	0.20±0.15	0.40±0.20	-	-	-	-
B	1.00±0.10	0.50±0.10	0.40±0.10	0.35±0.10	0.30±0.10	0.15±0.10	0.15±0.10	0.30±0.10	-	-	-	-
	1.60±0.15	0.80±0.15	0.50±0.10	0.45±0.15	0.70±0.15	0.20±0.15	0.20±0.15	0.30±0.15	0.25±0.15	-	-	-
			0.60±0.10	0.45±0.15	0.70±0.15	0.20±0.15	0.20±0.15	0.30±0.15	0.25±0.15	-	-	-
			0.70±0.10	0.40±0.15	0.80±0.15	0.20±0.10	0.20±0.10	0.30±0.15	0.25±0.15	-	-	-
			0.70±0.10	0.45±0.15	0.70±0.15	0.20±0.10	0.20±0.10	0.30±0.15	0.25±0.15	-	-	-
	2.00±0.15	1.20±0.15	0.50±0.10	0.40±0.15	0.80±0.15	0.20±0.10	0.20±0.10	0.30±0.15	0.45±0.15	-	-	-
			0.90±0.10	0.20±0.15	1.60±0.15	0.20±0.15	0.20±0.15	0.40±0.15	0.40±0.15	-	-	-
				0.20±0.15	1.60±0.15	0.25±0.15	0.25±0.15	0.30±0.15	0.45±0.15	-	-	-
				0.45±0.15	1.10±0.15	0.25±0.15	0.25±0.15	0.30±0.15	0.45±0.15	-	-	-
				0.50±0.15	1.00±0.15	0.20±0.15	0.20±0.15	0.30±0.15	0.45±0.15	-	-	-
		1.25±0.15	0.60±0.10	0.50±0.15	1.00±0.15	0.25±0.15	0.25±0.15	0.30±0.15	0.475±0.15	-	-	-
			0.80±0.10	0.50±0.15	1.00±0.15	0.25±0.15	0.25±0.15	0.30±0.15	0.475±0.15	-	-	-
			0.90±0.10	0.50±0.15	1.00±0.15	0.25±0.15	0.25±0.15	0.30±0.15	0.475±0.15	-	-	-
			0.95±0.10	0.35±0.15	1.30±0.15	0.20±0.15	0.20±0.15	0.30±0.15	0.475±0.15	-	-	-
				0.35±0.15	1.30±0.15	0.25±0.15	0.25±0.15	0.30±0.15	0.475±0.15	-	-	-
				0.50±0.15	1.00±0.15	0.25±0.15	0.25±0.15	0.30±0.15	0.475±0.15	-	-	-
			0.50±0.15	1.00±0.15	0.25±0.15	0.25±0.15	0.30±0.15	0.475±0.15	-	-	-	-
C	2.00±0.15	1.20±0.20	0.55±0.10	0.40±0.20	0.40±0.20	0.40±0.20	0.20±0.10	-	-	-	-	-
			0.60±0.10	0.40±0.20	0.40±0.20	0.40±0.20	0.20±0.10	-	-	-	-	-
			0.80±0.10	0.40±0.20	0.40±0.20	0.40±0.20	0.20±0.10	-	-	-	-	-
D	1.60±0.15	0.80±0.15	0.60±0.10	0.55±0.10	0.25±0.10	0.23±0.10	0.40±0.10	0.12±0.10	0.125±0.10	-	-	-
	2.00±0.15	1.25±0.10	0.45±0.10	0.95±0.10	0.275±0.20	0.25±0.10	0.60±0.10	0.175±0.10	0.15±0.10	-	-	-
			0.70 max	0.95±0.10	0.275±0.10	0.25±0.10	0.60±0.10	0.175±0.10	0.15±0.10	-	-	-
			0.80±0.10	0.95±0.10	0.275±0.10	0.25±0.10	0.60±0.10	0.175±0.10	0.15±0.10	-	-	-
E	1.10±0.10	0.90±0.10	0.60±0.10	0.25±0.10	0.18±0.10	0.205±0.10	0.25±0.10	-	-	-	-	-
	1.40±0.15	1.10±0.10	0.60±0.10	0.325±0.10	0.25±0.10	0.25±0.10	0.25±0.10	-	-	-	-	-
	1.40±0.15	1.10±0.15	0.70±0.10	0.325±0.10	0.25±0.10	0.25±0.10	0.25±0.10	-	-	-	-	-
	2.00±0.20	1.25±0.20	1.00 max.	0.325±0.10	0.25±0.10	0.25±0.10	0.25±0.10	-	-	-	-	-
F	1.60±0.15	0.80±0.15	0.40±0.10	0.55±0.15	0.50±0.15	0.35±0.15	0.50±0.15	0.20±0.15	-	-	-	-
			0.60±0.10	0.55±0.15	0.50±0.15	0.35±0.15	0.50±0.15	0.20±0.15	-	-	-	-
G	1.60±0.10	0.80±0.10	0.70 max.	0.55±0.10	0.25±0.10	0.23±0.10	0.40±0.10	0.12±0.10	0.195±0.10	0.21±0.10	0.125±0.10	-
	2.00±0.15	1.25±0.10	0.80±0.10	0.95±0.10	0.40±0.10	0.30±0.10	0.30±0.10	0.15±0.10	0.30±0.10	0.35±0.10	0.15±0.10	-
			0.90±0.10	0.95±0.10	0.40±0.10	0.30±0.10	0.30±0.10	0.15±0.10	0.30±0.10	0.35±0.10	0.15±0.10	-
	2.50±0.20	2.00±0.20	0.90±0.10	1.70±0.20	0.60±0.20	0.30±0.20	0.40±0.20	0.15±0.10	0.60±0.10	0.50±0.10	0.15±0.10	-
H	1.60±0.15	0.80±0.10	0.60 max.	0.25±0.10	0.23±0.05	0.40±0.10	0.30±0.10	0.55±0.10	0.60±0.10	-	-	-
I	2.00±0.15	1.25±0.10	1.00 max.	1.80±0.10	0.35±0.10	0.25±0.10	0.25±0.10	0.275±0.10	0.35±0.10	0.25±0.10	0.25±0.10	0.275±0.10
J	2.50±0.15	2.00±0.15	0.90±0.10	0.30±0.10	0.40±0.10	0.55±0.10	0.40±0.10	0.90±0.10	0.30±0.10	-	-	-
K	2.00±0.15	1.25±0.15	1.05±0.15	0.475±0.15	0.30±0.15	0.20±0.15	0.50±0.15	0.60±0.15	0.95±0.15	-	-	-
	3.20±0.20	2.50±0.20	1.80±0.20	0.95±0.20	0.60±0.20	0.30±0.15	0.70±0.15	1.20±0.15	2.00±0.15	-	-	-
L	2.00±0.15	1.25±0.10	1.05 max.	0.20±0.10	0.35±0.10	0.30±0.10	0.65±0.10	0.20±0.10	0.20±0.10	0.475±0.10	0.30±0.10	-

■ ELECTRICAL SPECIFICATION

2.4GHz BAND WORKING FREQUENCY

Part Number	Frequency Range(GHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RBBPF1005040A1T	2.4~2.5	2.5	25(824~960MHz) 20(1710~1910MHz) 20(4800~5000MHz) 15(7200~7500MHz)	2.0	50	1.00x0.50x0.40	B
RFBPF1005040A3T	2.4~2.5	1.5max.(25℃) 1.7max.(-40~+85℃)	13(824~915MHz) 5(1545~1605MHz) 34(4800~5000MHz) 27(7200~7500MHz)	2.1	50	1.00x0.50x0.40	B
RFBPF1109060A0T	2.4~2.5	1.8	35(824~960MHz) 38(1545~1605MHz) 20(1710~1990MHz) 8(2110~2170MHz) 35(3600MHz) 35(4800~5000MHz) 35(7200~7500MHz)	2.0	50	1.10x 0.90x0.60	E
RFBPF1411060A1T	2.4~2.5	1.8max.(25℃) 2.1max.(-40~+85℃)	40(824~960MHz) 40(1545~1605MHz) 20(1710~1990MHz) 8(2110~2170MHz) 35(3600MHz) 35(4800~5000MHz) 35(7200~7500MHz)	2.0	50	1.40x1.10x0.60	E
RFBPF1411060A2T	2.4~2.5	1.5	30(500~960MHz) 25(1500~1650MHz) 19(3200~3300MHz) 40(4800~5000MHz) 30(7200~7500MHz)	2.0	50	1.40x1.10x0.60	E
RBBPF1411060A3T	2.4~2.5	1.1	20(50~960MHz) 10(1710~1990MHz) 9(3600MHz) 22(4800~7200MHz)	2.0	50	1.40x1.10x0.60	E
RBBPF1411060A8T	2.4~2.5	1.0max.(25℃) 1.2max.(-40~+85℃)	15(50~960MHz) 10(1710~1990MHz) 15(3600MHz) 25(4800~7200MHz)	2.0	50	1.40x1.10x0.60	E
RFBPF1608060AA7M1U	2.4~2.5	0.95max.(25℃) 1.25max.(-40~+85℃)	20(500~960MHz) 23(3200MHz) 30(4800~5000MHz) 32(7200~7500MHz)	2.0	50	1.60x0.80x0.60	H
RFBPF1608060ADT	2.4~2.5	1.8max.(25℃) 2.1max.(-40~+85℃)	25(800~1000MHz) 22.5(1200~1300MHz) 5.5(2000MHz) 10.5(3000MHz) 23.5(3600~3800MHz) 35(4800~5000MHz) 35(7200~7500MHz)	2.0	50	1.60x0.80x0.60	B
RFBPF1608060AET	2.4~2.5	1.7max.(25℃) 2.0max.(-40~+85℃)	25(880MHz) 20(3200MHz) 35(4800~5000MHz) 25(7200~7500MHz)	2.0	50	1.60x0.80x0.60	F
RFBPF1608070AFT	2.4~2.5	2.4max.(25℃) 2.7max.(-40~+85℃)	24.5(880~960MHz) 20(1710~1990MHz) 8.5(2170MHz) 15(4800~5000MHz) 20(7200~7500MHz)	2.0	50	1.60x0.80x0.70	B
RFBPF1608070AWT	2.4~2.5	2.0max.(25℃) 2.2max.(-40~+85℃)	30(960MHz) 25(1910MHz) 20(1990MHz) 25(4800MHz) 15(7200MHz)	2.0	50	1.60x0.80x0.70	B
RFBPF1608050A0T	2.4~2.5	2.0max.(25℃) 2.2max.(-40~+85℃)	20(960MHz) 20(1910MHz) 15(1990MHz) 18(4800MHz) 25(7200MHz)	2.0	50	1.60x0.80x0.50	B
RFBPF1608060A1T	2.4~2.5	2.8	25(695~800MHz) 20(1910MHz) 35(3200MHz) 20(4800~5000MHz) 20(7200~7500MHz)	2.0	50	1.60x0.80x0.60	B
RFBPF1608060A7T	2.4~2.5	3.0	25(695~800MHz) 20(1910MHz) 35(3200MHz) 20(4800~5000MHz) 20(7200~7500MHz)	2.0	50	1.60x0.80x0.60	B
RFBPF1608060A8T	2.4~2.5	1.7	30(880~915MHz) 30(1710~1785MHz) 25(1850~1910MHz) 25(4800~5000MHz) 15(7200~7500MHz)	2.0	50	1.60x0.80x0.60	B

HIGH FREQUENCY

MULTILAYER BAND PASS FILTER

2.4GHz BAND WORKING FREQUENCY

Part Number	Frequency Range(GHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF1608070A3T	2.4~2.5	1.8max.(25°C) 2.1max.(-40~+85°C)	27(800~900MHz) 25(4800~5000MHz) 30(7200~7500MHz)	2.0	50	1.60x0.80x0.70	B
RFBPF2012080AM0T62	2.4~2.5	1.8max.(25°C) 2.0max.(-40~+85°C)	30(860~960MHz) 30(1545~1605MHz) 35(1710~1990MHz) 30(2170MHz) 30(4800~5000MHz)	2.0	50	2.00x1.20x0.80	D
RFBPF2012080AC2T00	2.4~2.5	1.35max.(25°C) 1.55max.(-40~+85°C)	30(804~828MHz) 20(1608~1656MHz) 30(3216~3312MHz) 40(4020~4140MHz) 20(4824~4968MHz) 20(5628~5796MHz) 20(6432~6624MHz) 35(7200~7500MHz) 20(7500~10000MHz)	2.0	50	2.00x1.25x0.80	G
RFBPF2012090AS1T35	2.4~2.5	0.9max.(25°C) 1.1max.(-40~+85°C)	28(824~960MHz) 30(1570~1580MHz) 15(1710~1910MHz) 9.5(1910~1990MHz) 25(4800~5000MHz) 25(7200~7500MHz)	2.0	50	2.00x1.25x0.90	G
RFBPF2012060AAT	2.4~2.5	1.5max.(25°C) 1.8max.(-40~+85°C)	30(880~960MHz) 25(1710~1910MHz) 25(4800~5000MHz) 30(7200~7500MHz)	2.0	50	2.00x1.20x0.60	C
RFBPF2012040ABT	2.4~2.5	2.5	30(824~849MHz) 30(880~915MHz) 30(1545~1605MHz) 30(1565~1585MHz) 35(1710~1785MHz) 40(1850~1910MHz) 32(1920~1980MHz) 7(3168~4752MHz) 11(3300~3800MHz) 35(4800~4967MHz) 26(5150~6000MHz) 23(7200~7450MHz)	2.0	50	2.00x1.20x0.40	D
RFBPF2012050ACT	2.4~2.5	2.5	35(824~960MHz) 38(1710~1910MHz) 25(4880~5000MHz) 20(7200~7500MHz)	2.0	50	2.00x1.20x0.55	C
RFBPF2012080ADT	2.4~2.5	1.5max.(25°C) 1.7max.(-40~+85°C)	30(860~960MHz) 30(1545~1605MHz) 30(1710~1990MHz) 30(2170MHz) 30(4800~5000MHz)	2.0	50	2.00x1.25x0.80	D
RFBPF2012080AFT	2.4~2.5	1.8max.(25°C) 2.0max.(-40~+85°C)	30(824~915MHz) 30(1545~1605MHz) 35(1710~1990MHz) 30(2170MHz) 30(4800~4967MHz) 25(5150~6000MHz) 20(7200~7450.5MHz)	2.0	50	2.00x1.25x0.80	D
RFBPF2012080AGT	2.4~2.5	1.8max.(typ.1.5)	35(824~960MHz) 28(1545~1605MHz) 30(1710~1990MHz) 30(2170MHz) 6(3200MHz) 30(4800~4967MHz) 20(5150~6000MHz) 18(7200~7450MHz)	2.0	50	2.00x1.25x0.80	D
RFBPF2012040AHT	2.4~2.5	2.5	25(746~764MHz) 30(824~849MHz) 26(869~960MHz) 28(1570~1580MHz) 28(1710~1785MHz) 30(1850~1910MHz) 30(1930~1990MHz) 30(2110~2170MHz) 15(3300~3800MHz) 35(4800~5000MHz) 20(7200~7450.5MHz)	2.0	50	2.00x1.25x0.45	D
RBBPF2012050AHT	2.4~2.5	2.5max.(typ.2.2)	25(746~764MHz) 30(824~849MHz) 26(869~960MHz) 28(1570~1580MHz) 28(1710~1785MHz) 30(1850~1910MHz) 30(1930~1990MHz) 25(2110~2170MHz) 15(3300~3800MHz) 35(4800~5000MHz)	2.0	50	2.00x1.25x0.45	D

2.4GHz BAND WORKING FREQUENCY

Part Number	Frequency Range(GHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF2012090ALT	2.4~2.5	1.0max.(25°C) 1.2max.(-40~+85°C)	28(824~960MHz) 28(1570~1580MHz) 23(1710~1910MHz) 17(1920~1990MHz) 25(4800~5000MHz)	2.0	50	2.00x1.25x0.90	G
RFBPF2012090AMT	2.4~2.5	2.6	40(880~960MHz) 38(1710~1990MHz) 16(2170MHz) 30(4800~5000MHz) 30(7200~7500MHz)	2.0	50	2.00x1.20x0.90	B
RFBPF2012100ANT	2.4~2.5	2.3max.(25°C) 2.6max.(-40~+85°C)	40(699~960MHz) 40(1428~1448MHz) 40(1476~1607MHz) 40(1710~1785MHz) 33(1805~1880MHz) 30(1880~1915MHz) 30(1920~1990MHz) 22(2110~2170MHz) 25(4800~5000MHz) 35(7200~7500MHz)	2.0	50	2.00x1.20x1.00	I
RFBPF2012090AQT	2.4~2.5	1.2	20(1600MHz) 25(3200MHz) 20(4800~5000MHz)	2.0	50	2.00x1.20x0.90	B
RFBPF2012090ART	2.4~2.5	1.0	20(1600MHz) 25(3200MHz)	2.0	50	2.00x1.20x0.90	B
RFBPF2012100AVT	2.4~2.5	1.5max.(25°C) 1.7max.(-40~+85°C)	40(699~960MHz) 40(1428~1448MHz) 40(1476~1607MHz) 40(1710~1785MHz) 33(1805~1880MHz) 30(1880~1915MHz) 30(1920~1990MHz) 25(4800~5000MHz) 30(7200~7500MHz)	2.0	50	2.00x1.20x1.00	I
RBBPF2010A108Q1C	2.4~2.5	1.3max.(25°C) 1.5max.(-40~+85°C)	38(50~960MHz) 17(1710~1910MHz) 5(3200MHz) 30(4800~5000MHz) 25(7200~7500MHz)	2.0	50	2.00x1.20x0.90	E
RFBPF2009A12T	2.4~2.5	1.0max.(25°C) 1.2max.(-40~+85°C)	28(824~960MHz) 28(1570~1580MHz) 23(1710~1910MHz) 17(1920~1990MHz) 4(2100~2170MHz) 25(4800~5000MHz) 25(7200~7500MHz)	2.0	50	2.00x1.25x0.90	G
RBBPF2010A16T	2.4~2.5	1.3max.(25°C) 1.5max.(-40~+85°C)	38(50~960MHz) 17(1710~1990MHz) 20(3200MHz) 30(4800~5000MHz) 25(7200~7500MHz)	2.0	50	2.00x1.25x1.00	E
AMBPF2008A17T	2.4~2.5	1.35max.(25°C) 1.65max.(-40~+125°C)	30(804~828MHz) 20(1608~1656MHz) 30(3216~3312MHz) 38(4020~4140MHz) 20(4824~4968MHz) 20(5628~5796MHz) 20(6432~6624MHz) 35(7200~7500MHz) 20(7500~10000MHz)	2.0	50	2.00x1.20x0.80	G
RFBPF2012090A1T	2.4~2.5	1.7max.(25°C) 1.9max.(-40~+85°C)	30(900MHz) 20(1850MHz) 30(4800MHz)	2.0	50	2.00x1.20x0.90	B
RFBPF2012090A2T	2.4~2.5	1.4max.(25°C) 1.6max.(-40~+85°C)	30(824~960MHz) 30(1710~1910MHz) 20(1920~1990MHz) 6(2110~2170MHz) 20(4800~5000MHz)	2.0	50	2.00x1.20x0.90	B
RFBPF2012040A3T	2.4~2.5	2.0max.(25°C) 2.2max.(-40~+85°C)	25(746~764MHz) 30(824~849MHz) 26(869~960MHz) 28(1570~1580MHz) 28(1710~1785MHz) 30(1850~1910MHz) 30(1930~1990MHz) 25(2110~2170MHz) 15(3300~3800MHz) 35(4800~5000MHz) 20(7200~7450.5MHz)	2.0	50	2.00x1.25x0.45	D

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2.4GHz BAND WORKING FREQUENCY

Part Number	Frequency Range(GHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF2012080A6T	2.4~2.5	3.5	30(880~960MHz) 30(1710~1990MHz) 20(2110~2170MHz) 30(4800~5000MHz) 30(7200~7500MHz)	2.0	50	2.00x1.20x0.80	C
RFBPF2012100A6T	2.4~2.5	1.0max.(25°C) 1.2max.(-40~+85°C)	21(902~928MHz) 26(4800~5000MHz) 34(7200~7500MHz) 29(9600~10000MHz)	2.0	50	2.00x1.20x1.00	L
RFBPF2012080A7T	2.4~2.5	2.8 (typ.2.5)	40(DC~1600MHz) 35(1710MHz) 25(1900MHz) 12(2100MHz) 8(2170MHz) 30(3100MHz) 40(4800~5000MHz) 20(7200~7500MHz)	2.0	50	2.00x1.20x0.80	B
RFBPF2012060A9T	2.4~2.5	2.8	30(960MHz) 30(1600MHz) 20(1990MHz) 35(3200MHz) 40(4800MHz) 25(7200MHz)	2.0	50	2.00x1.20x0.60	B
RFBPF2520090ACT	2.4~2.5	2.1max.(25°C) 2.3max.(-40~+85°C)	43(806~960MHz) 43(1570~1580MHz) 43(1710~1990MHz) 20(2110~2170MHz) 30(4800~5000MHz) 25(7200~7500MHz)	2.0	50	2.50x2.00x0.90	G
RFBPF2520070AMT	2.4~2.5	2.0max.(25°C) 2.2max.(-40~+85°C)	45(824~960MHz) 45(1570~1580MHz) 45(1710~1785MHz) 40(1805~1850MHz) 35(1850~1910MHz) 35(1920~1990MHz) 25(2110~2170MHz) 5(2750~3000MHz) 15(3000~4800MHz) 30(4800~5000MHz) 30(5150~5850MHz) 20(7200~7500MHz)	2.0	50	2.50x2.00x0.70	A
RFBPF2520080AUT	2.4~2.5	2.2	30(900MHz) 30(1850MHz) 33(2170MHz) 35(4800MHz) 25(7200MHz)	2.0	50	2.50x2.00x0.70	A
RFBPF2520120A1T	2.4~2.5	1.7	30(900MHz) 30(1850MHz) 20(2100MHz) 40(4800MHz) 25(7200MHz)	2.0	50	2.50x2.00x1.20	A
RFBPF2520120A2T	2.4~2.5	2.1	30(900MHz) 30(1850MHz) 30(4800MHz)	2.0	50	2.50x2.00x1.20	A
RFBPF2520120A3T	2.4~2.5	≤1.2(25°C)	30(900MHz) 30(1850MHz) 25(4800MHz)	2.0	50	2.50x2.00x1.20	A
RFBPF2520120A4T	2.4~2.5	≤1.7(25°C)	30(900MHz) 30(1850MHz) 25(4800MHz)	2.0	50	2.50x2.00x1.20	A
RFBPF2520100A6T	2.4~2.5	1.4	35(1900/4800 MHz)	2.0	50	2.50x2.00x1.00	A
RFBPF3225150A3T	2.4~2.5	2.5	40(1500MHz) 30(2100MHz) 30(4800MHz)	1.7	-	3.20x2.50x1.50	A
RFBPF3225150A4T	2.4~2.5	2.0	30(900MHz) 30(1850MHz) 20(2100MHz) 30(4800MHz)	2.0	50	3.20x2.50x1.50	A
RFBPF3225150A5T	2.4~2.5	1.8	30(900MHz) 30(1850MHz) 20(2100MHz) 30(4800MHz)	2.0	50	3.20x2.50x1.50	A

5GHz BAND WORKING FREQUENCY

Part Number	Frequency Range(GHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF1608060K2T	4.9~5.84	1.5max.(25°C) 1.7max.(-40~+85°C)	33(100~2170MHz) 29(2170~2500MHz) 32(9800~12000MHz)	2.0	50	1.60x0.80x0.70	B
RFBPF1608060K68Q1C	4.9~5.9	1.3max.(25°C) 1.5max.(-40~+85°C)	38(30~2700MHz) 16(3453~3547MHz) 33(3667~3883MHz) 9(6900~7093MHz) 32(7333~7750MHz) 40(10600~11650MHz) 18(15540~17760MHz)	2.0	50	1.60x0.80x0.60	D
RFBPF1608060K78Q1C	5.15~5.95	0.8max.(25°C) 1.0max.(-40~+85°C)	40(30~2700MHz) 45(3400~3800MHz) 20(7250~7800MHz) 20(10300~11700MHz)	1.5	50	1.60x0.80x0.60	D
RFBPF1608060K88Q1C	5.15~5.95	0.7max.(25°C) 0.85max.(-40~+85°C)	35(30~2700MHz) 30(3400~3800MHz) 12(7250~7800MHz) 20(10300~11700MHz)	1.5	50	1.60x0.80x0.60	D
RFBPF1608060KG8D1T	5.15~5.95	0.8	40(30~2700MHz) 45(3400~3800MHz) 20(6900MHz) 20(7250~7800MHz) 20(10300~11700MHz)	1.67	50	1.60x0.80x0.60	D
RFBPF2012100KST	4.9~5.9	1.5(4.90GHz) 1.5(5.25GHz) 1.5(5.85GHz)	30(3450MHz) 20(11000MHz)	2.0	50	2.00x1.20x1.00	B
RFBPF2012100K0T	4.9~5.9	1.7(4.90GHz) 1.5(5.25GHz) 1.5(5.85GHz)	30(3450MHz) 20(11000MHz)	2.0	50	2.00x1.20x1.00	B
RFBPF2012090K5T	4.9~5.85	2.2max.(25°C) 2.5max.(-40~+85°C)	35(340~1195MHz) 19(2140~3580MHz) 25(6855~7150MHz) 20(8570~8930MHz)	2.0	50	2.00x1.20x0.90	B
RFBPF2012100K3T	4.9~5.85	1.8max.(25°C) 2.1max.(-40~+85°C)	30(500MHz) 35(3450MHz) 30(4000MHz) 20(4200MHz) 15(9800MHz) 15(11700MHz)	2.0	50	2.00x1.20x0.95	B
RFBPF2012100K6T	5.15~5.85	1.6max.(25°C) 1.8max.(-40~+85°C)	30(500MHz) 40(2000MHz) 35(3450MHz) 30(4000MHz) 20(4200MHz)	2.0	50	2.00x1.20x0.95	B
RFBPF2012090K9T	5.725~5.85	2.0	30(500MHz) 30(4000MHz) 20(4200MHz) 32(5000MHz) 15(9800MHz) 15(11750MHz)	2.0	50	2.00x1.20x0.95	B
RFBPF2520090K1T	4.9~5.85	1.2max.(25°C) 1.5max.(-40~+85°C)	50(824~1910MHz) 15(9880~11700MHz)	2.0	50	2.50x2.00x0.90	A
KFBPF25204G7W09S5K	4.4~4.94	3.5	50(1000MHz) 35(2500MHz) 20(3500MHz) 7(4250MHz) 15(5150MHz) 20(57500MHz)	2.0	50	2.50x2.00x0.80	A

WiMAX BAND WORKING FREQUENCY

Part Number	Frequency Range(GHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF16082G3W0T	2.3~2.39	2.0	29(880~915MHz) 29(1710~1785MHz) 21(1850~1910MHz) 15(1920~1980MHz) 18(4600~4780MHz) 23(6900~7170MHz)	2.0	50	1.60x0.80x0.70	B

HIGH FREQUENCY

MULTILAYER BAND PASS FILTER

1558 ~ 1606 MHz GNSS Band Applications

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF1109060E0T	1550~1610	1.9max.	25(960MHz) 8(1850MHz) 15(1990MHz) 20(2170MHz) 35(2400~2500MHz) 35(3400~3800MHz)	2.0	50	1.10x0.90x0.60	E
RFBPF1411070E0T	1558~1606	1.8max.(25°C) 2.0max.(-40~+85°C)	30(824~849MHz) 30(880~915MHz) 10(1880~1910MHz) 22(1920~1980MHz) 30(2400MHz)	2.0	50	1.40x1.10x0.70	E

860~960MHz/1805~2025 MHz Band Application

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF2520090B08Q1C	869~960	0.7max.(25°C) 0.75max.(-40~+85°C)	25(430~490MHz) 10(1700~1900MHz) 20(2400~2500MHz) 20(4905~5845MHz)	1.9	50	2.50x2.00x0.90	J
	1805~2025	1.1max.(25°C) 1.2max.(-40~+85°C)	25(900~1015MHz) 15(2400~2500MHz) 15(3610~3980MHz) 20(4905~5845MHz)	2.0			

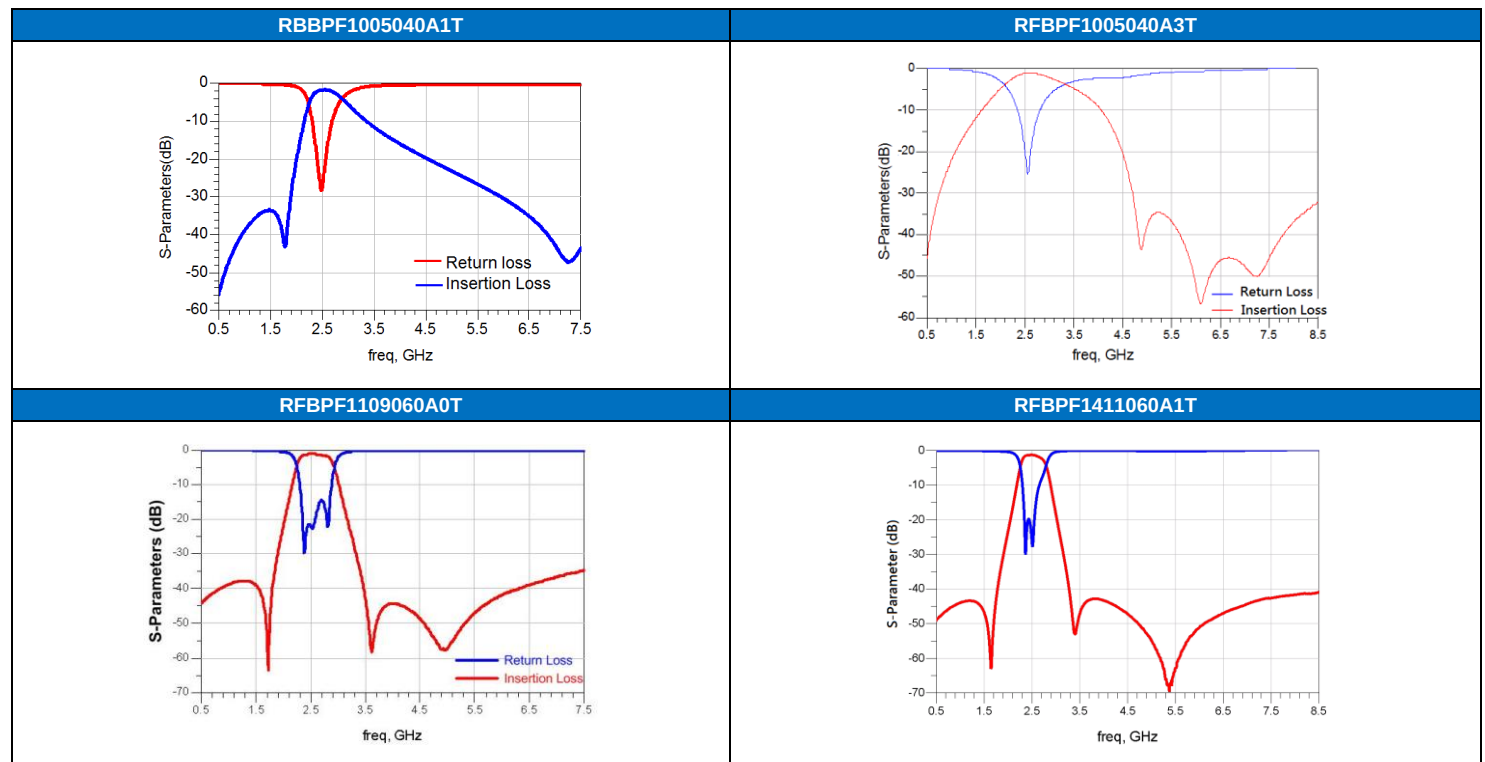
MoCA / Docsis Application

Part Number	Frequency Range(MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF3225180Y1T	975~1025	3.0	30(54~870MHz) 30(1125~1675MHz) 30(2300MHz)	2.0	75	3.20x2.50x1.80	K
RFBPF3225200Y07B1U	475~675	2.5max.(25°C) 2.7max.(-40~+85°C)	60(2.5MHz) 40(2.5~100MHz) 35(100~200MHz) 35(200~300MHz) 8(300~400MHz) 57(950MHz) 47(950~2025MHz) 41(2025~2500MHz) 35(2500~3000MHz)	2.0	75	3.20x2.50x1.80	K
RBBPF3225180Y27B1U	400~700	2.0	42(1~200MHz) 30(950~2150MHz) 35(2150~3000MHz) 27(3000~5900MHz)	2.0	50	3.20x2.50x1.80	K
KFBPF2012100C67B1U	1125~1675	2.5	35(1~900MHz) 20(900~1002MHz) 35(2000~2500MHz) 20(2500~5900MHz)	2.0	50	2.00x1.25x1.05	K
RFBPF3225180C07B1U	1125~1675	1.8max.(25°C) 2.0max.(-40~+85°C)	30(5~864MHz) 34(864~1002MHz) 32(2300~3000MHz)	2.0	75	3.20x2.50x1.80	K
RBBPF3225180C67B1U	1125~1675	2.0	40(1~900MHz) 25(900~1002MHz) 35(2000~2500MHz) 27(2500~5900MHz)	2.0	50	3.20x2.50x1.80	K
RBBPF3225180C77B1U	1125~1225	2.0	33(1~900MHz) 25(900~1002MHz) 25(1350~1675MHz) 35(2000~2500MHz) 27(2500~5900MHz)	2.0	50	3.20x2.50x1.80	K

LTE Band Application

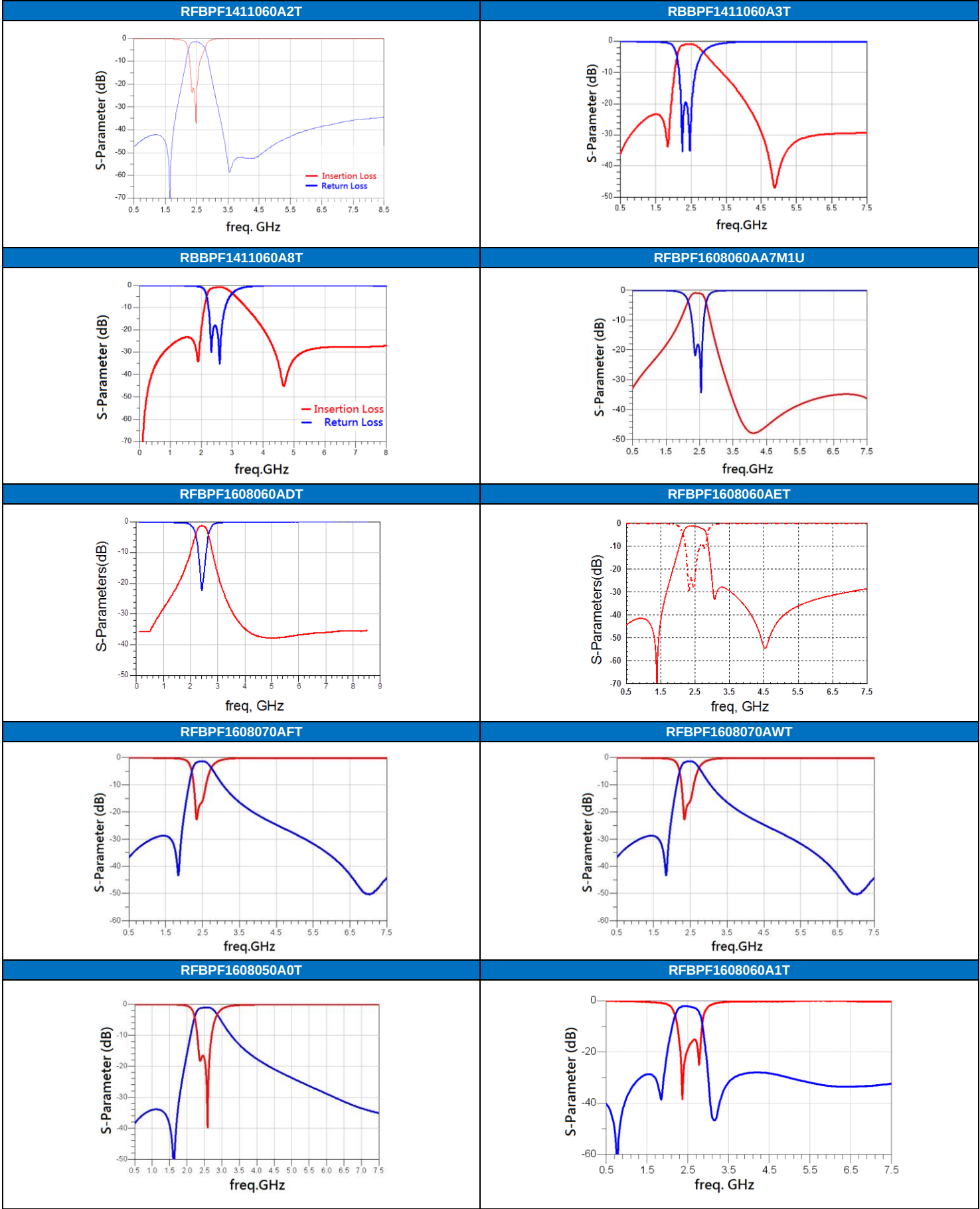
Part Number	Frequency Range(MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	STRUCTURE
RFBPF1109B101T	2110~2170	1.7	25(4280MHz)	2	50	1.10x0.90x0.60	E
RFBPF1109B201T	1930~1990	1.7	25(3920MHz)	2	50	1.10x0.90x0.60	E
RFBPF1109B301T	1805~1880	1.4	25(3685MHz)	2	50	1.10x0.90x0.60	E
RFBPF1109B501T	869~894	0.9	12(1763MHz)	2	50	1.10x0.90x0.60	E
RFBPF1109B701T	2620~2690	1.2	25(5310MHz)	2	50	1.10x0.90x0.60	E
RFBPF1109B801T	925~960	0.9	12(1885MHz)	2	50	1.10x0.90x0.60	E
RFBPF16081G9DM1T79	1805~2025	1.6max.(25°C) 1.8max.(-40~+85°C)	25(700~950MHz) 15(950~1050MHz) 25(2400~2500MHz) 35(2700~5150MHz) 40(5150~5850MHz) 25(5850~12750MHz)	2	50	1.60x0.80x0.70	G
RFBPF16081G9DMAT73	1805~2025	2.0	30(700~950MHz) 15(950~1050MHz) 40(2400~2500MHz) 35(2700~5400MHz) 35(5500~6200MHz) 35(9350~10150MHz) 20(10500~12750MHz)	2	50	1.60x0.80x0.70	G
RFBPF16081G9DMAT79	1880~2025	2.0max.(25°C) 2.2max.(-40~+85°C)	20(1545~1610MHz) 25(2400~2500MHz) 25(5150~5850MHz)	2	50	1.60x0.80x0.70	G
RFBPF16081G9DS8T60	1805~2025	1.6	30(700~950MHz) 15(950~1050MHz) 25(2400~2500MHz) 35(2700~5400MHz) 35(5500~6200MHz) 35(9350~10150MHz) 20(10500~12750MHz)	2	50	1.60x0.80x0.70	G

■ TYPICAL ELECTRICAL CHARACTERISTICS

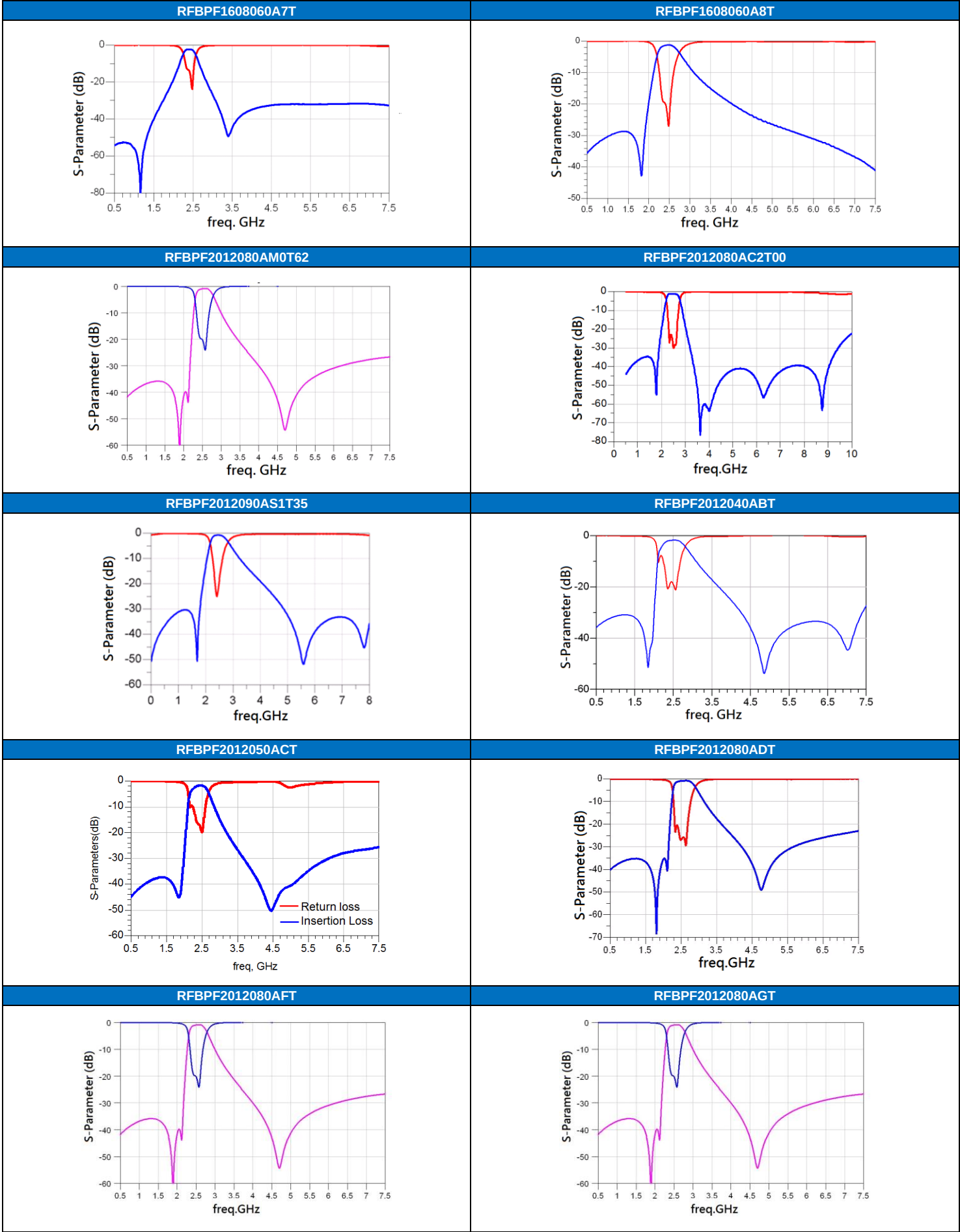


HIGH FREQUENCY MULTILAYER BAND PASS FILTER

TYPICAL ELECTRICAL CHARACTERISTICS

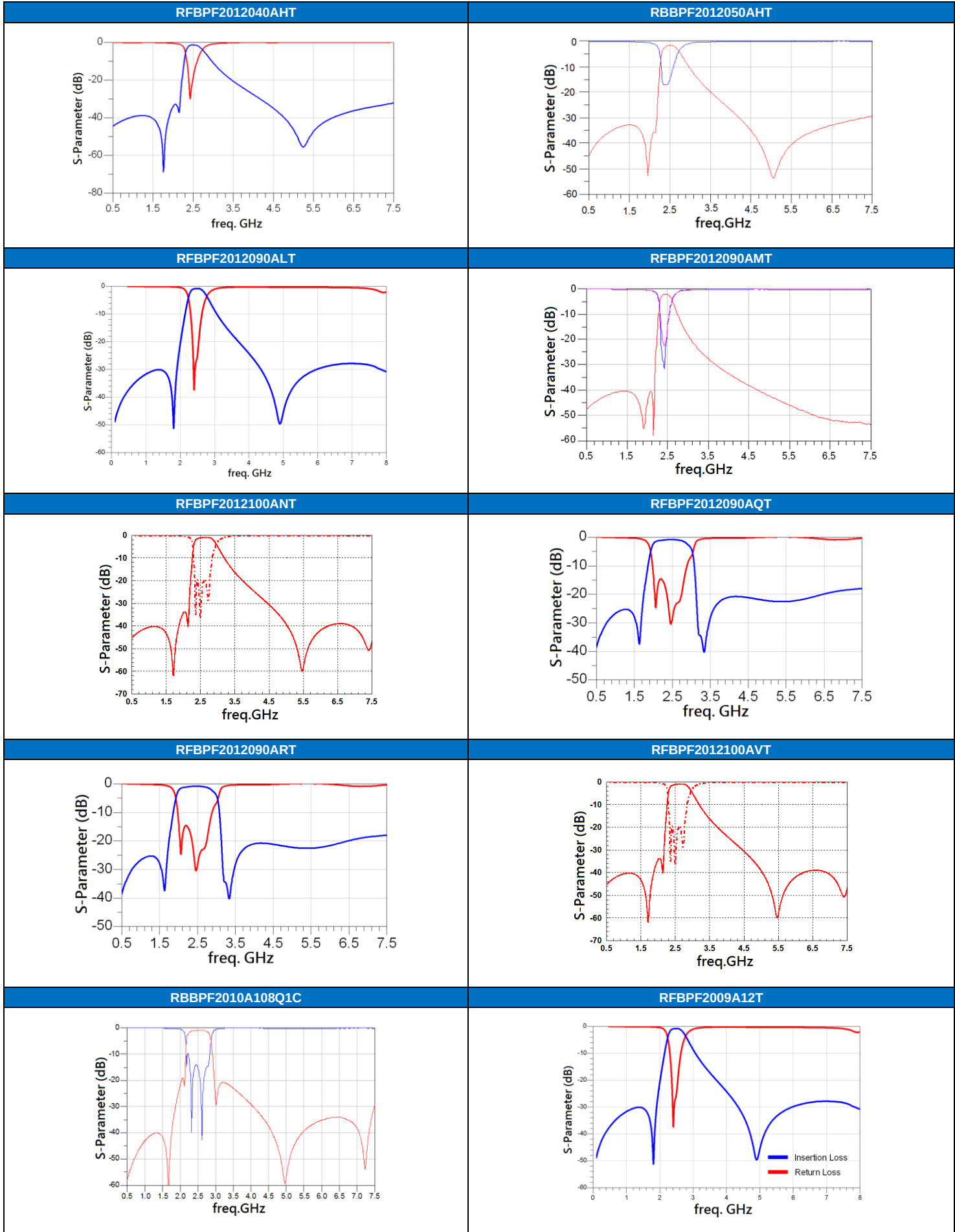


TYPICAL ELECTRICAL CHARACTERISTICS

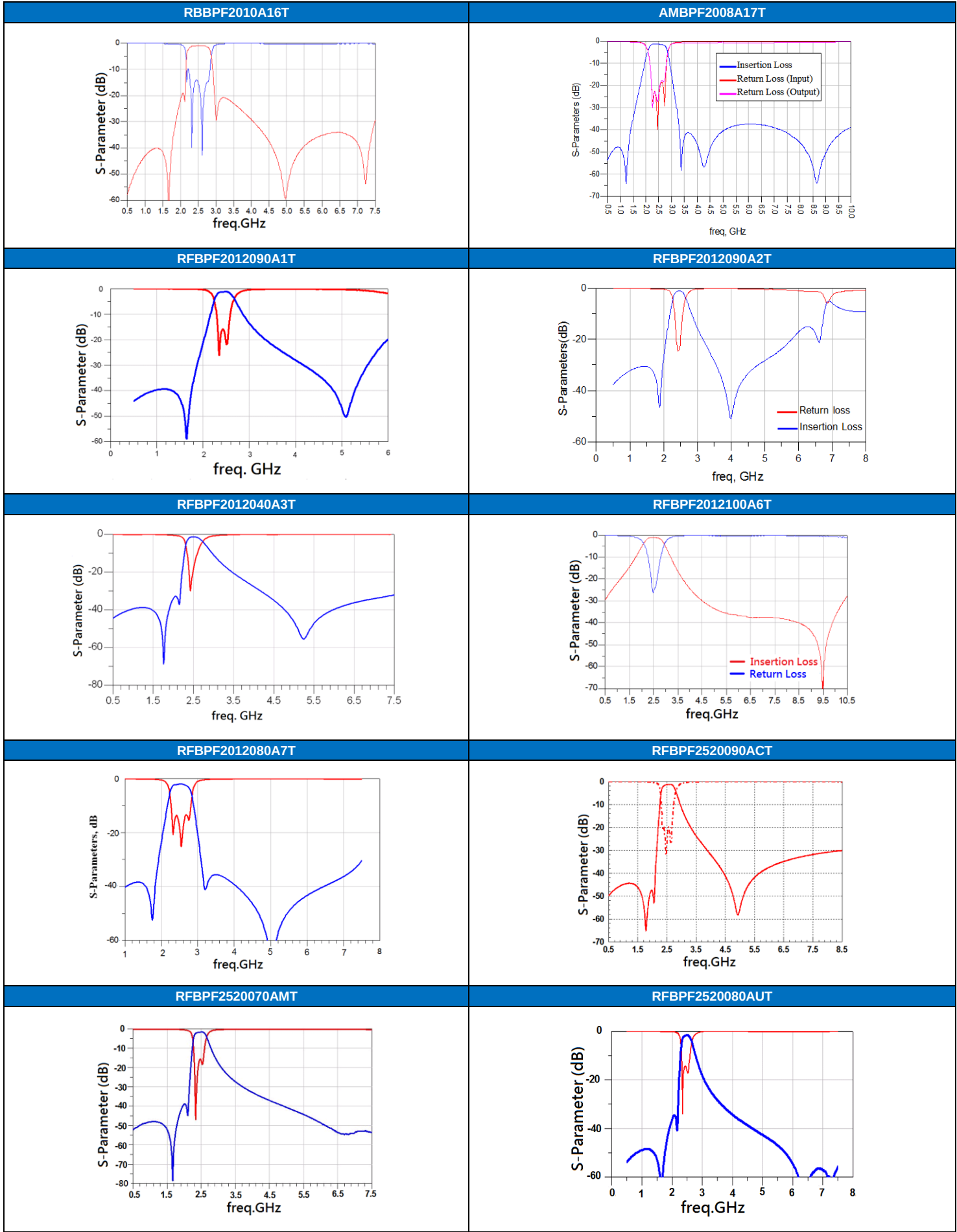


HIGH FREQUENCY MULTILAYER BAND PASS FILTER

TYPICAL ELECTRICAL CHARACTERISTICS

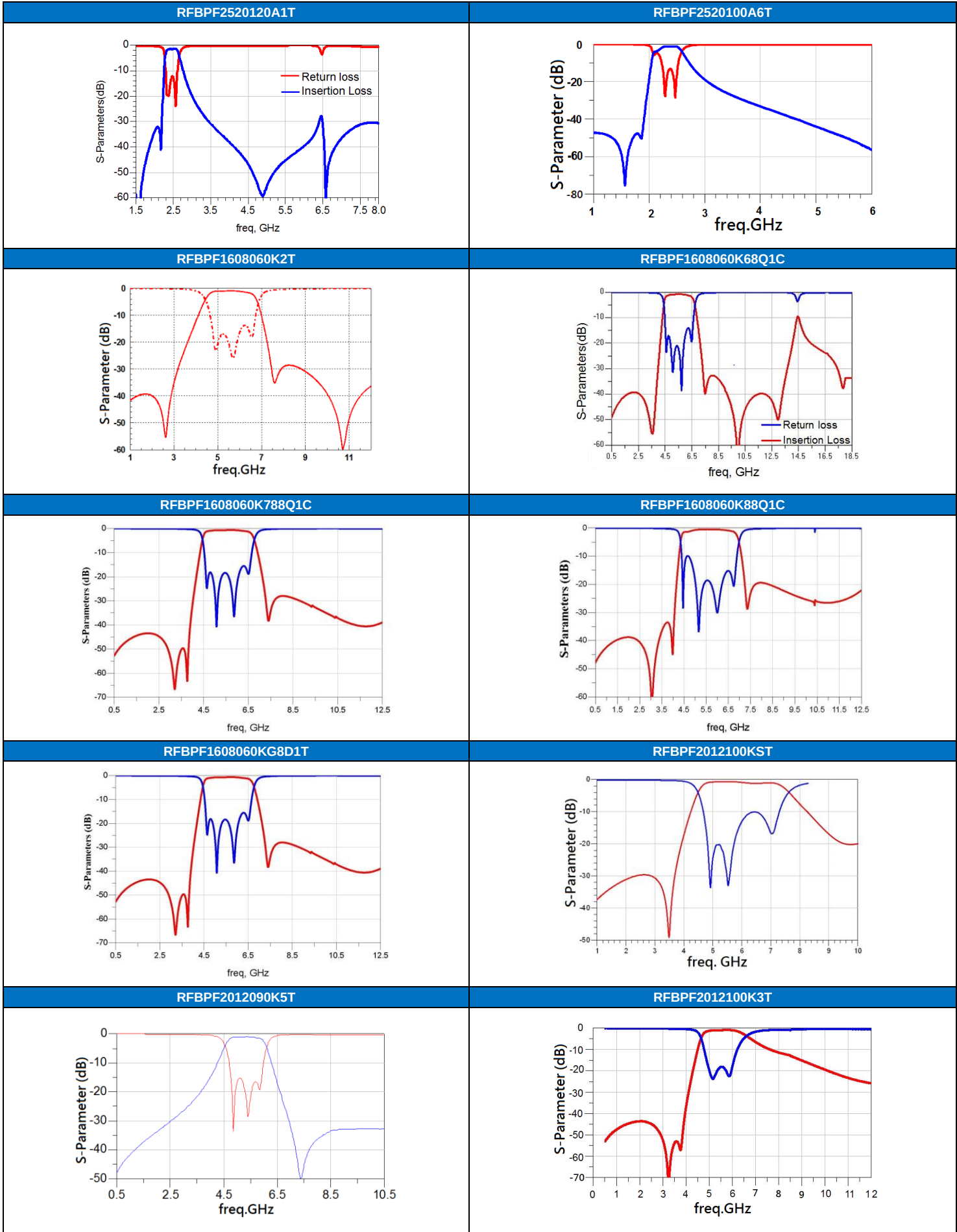


TYPICAL ELECTRICAL CHARACTERISTICS

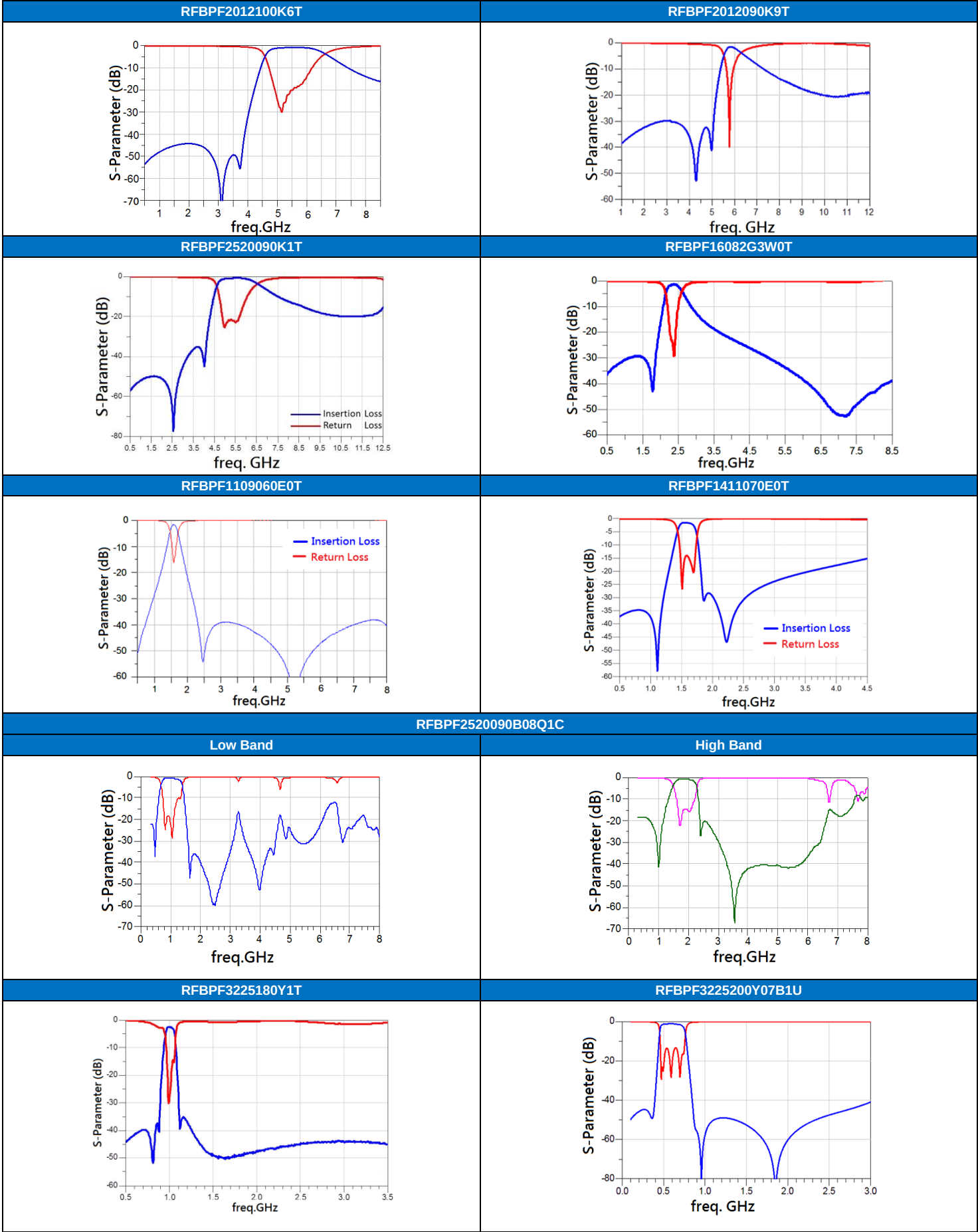


HIGH FREQUENCY MULTILAYER BAND PASS FILTER

TYPICAL ELECTRICAL CHARACTERISTICS

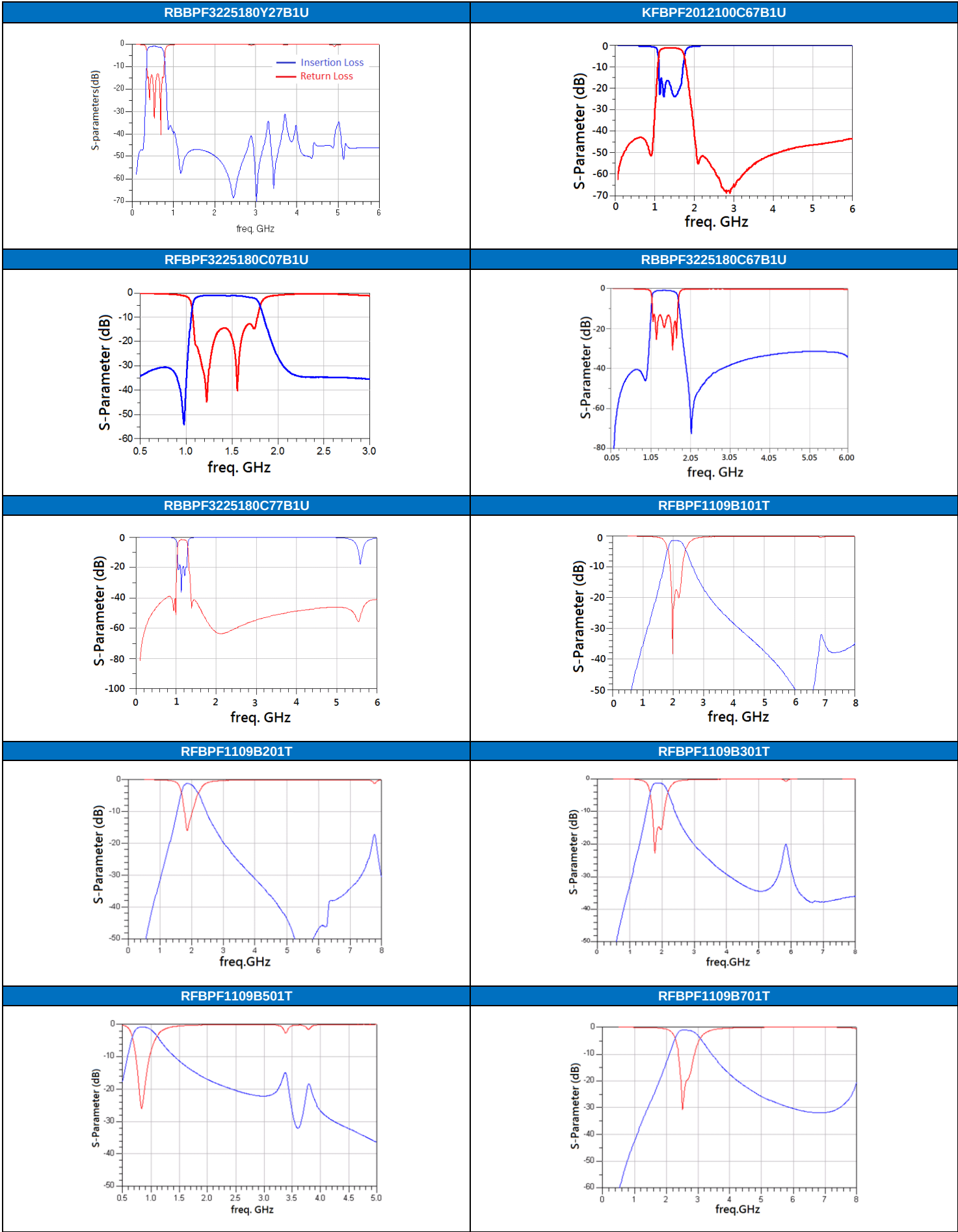


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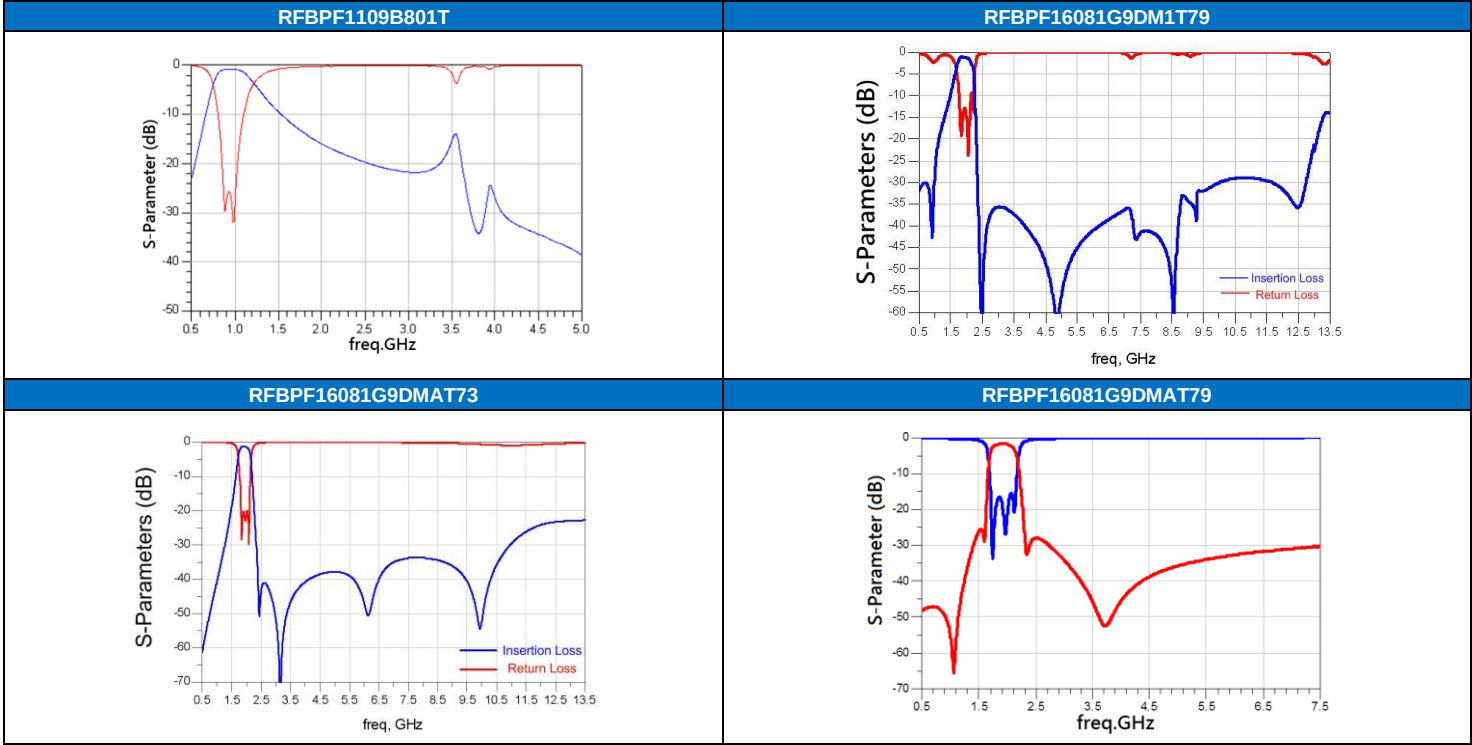


HIGH FREQUENCY MULTILAYER BAND PASS FILTER

TYPICAL ELECTRICAL CHARACTERISTICS



TYPICAL ELECTRICAL CHARACTERISTICS

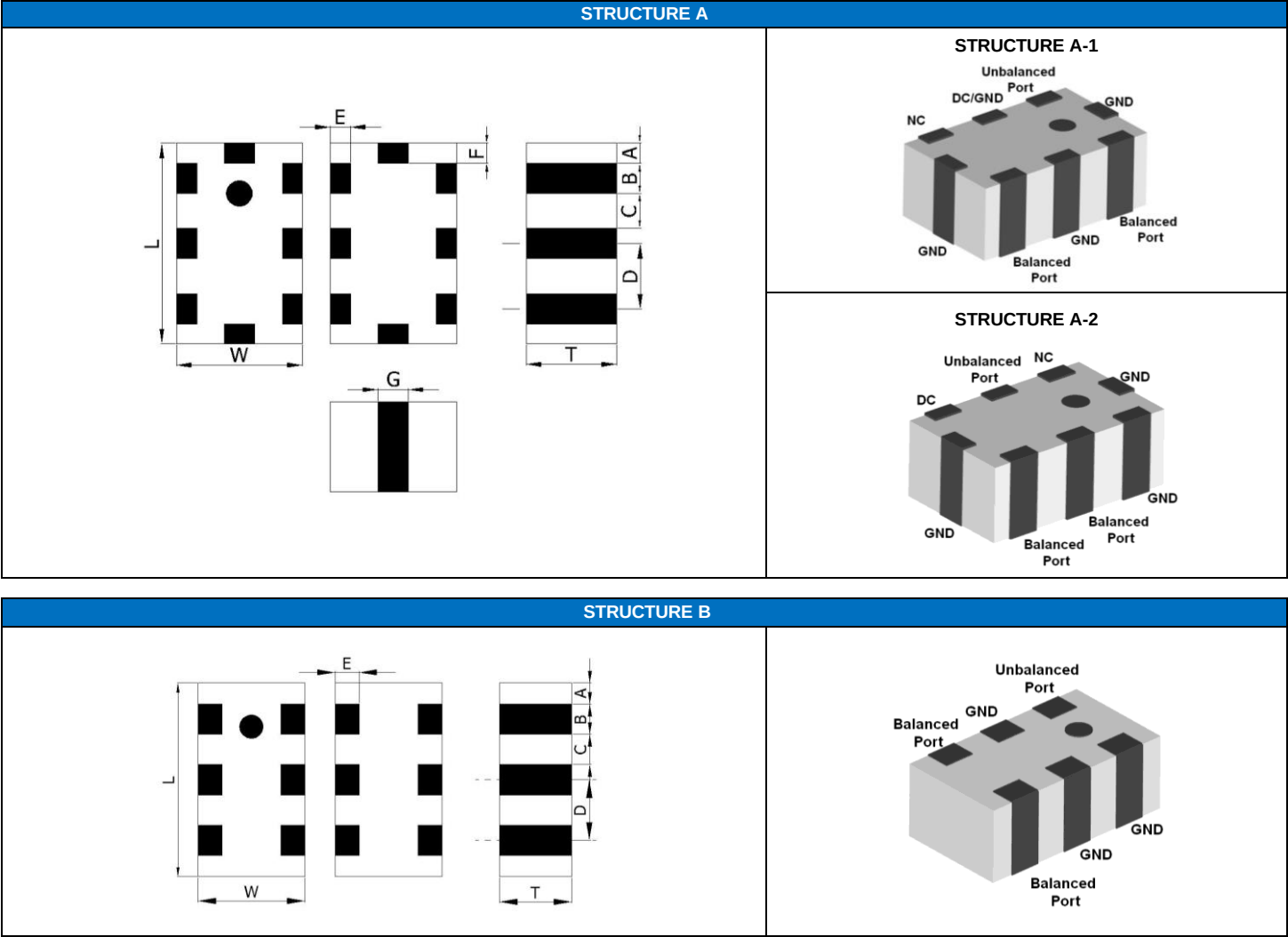


- For more information, please contact with local sales representative
- All specifications are subject to change without notice

HIGH FREQUENCY
MULTILAYER BALANCED FILTER

HIGH FREQUENCY MULTILAYER BALANCED FILTER

■ STRUCTURE AND PIN ASSOCIATED



■ STRUCTURE AND DIMENSION

Unit: mm										
Structure/ Dimension	L	W	T	A	B	C	D	E	F	G
A	1.60±0.15	0.80±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	0.20±0.15	0.30±0.15
	2.00±0.15	1.20±0.10	0.40±0.10	0.175±0.10	0.35±0.15	0.30±0.15	0.65±0.10	0.20±0.10	0.20±0.15	0.50±0.10
		1.25±0.15	0.50±0.10	0.20±0.15	0.30±0.15	0.35±0.15	0.65±0.15	0.20±0.15	0.20±0.15	0.30±0.15
			0.60±0.10	0.20±0.15	0.30±0.10	0.35±0.10	0.65±0.10	0.20±0.15	0.20±0.15	0.50±0.10
			0.90±0.10	0.20±0.15	0.30±0.10	0.35±0.10	0.65±0.10	0.20±0.15	0.20±0.15	0.30±0.10
			1.00±0.10	0.20±0.15	0.30±0.10	0.35±0.10	0.65±0.10	0.20±0.10	0.20±0.15	0.50±0.10
			1.10±0.10	0.20±0.15	0.30±0.10	0.35±0.10	0.65±0.10	0.20±0.15	0.20±0.15	0.55±0.10
					0.50±0.10	0.35±0.10	0.65±0.10	0.20±0.15	0.20±0.15	0.50±0.10
	2.50±0.20	2.00±0.20	0.85±0.10	0.35±0.20	0.40±0.10	0.30±0.10	0.70±0.20	0.15(Typical)	0.15(Typical)	1.20±0.20
B	1.95±0.15	1.25±0.15	0.80±0.10	0.175±0.15	0.30±0.15	0.35±0.15	0.65±0.15	0.25±0.15	-	-
	2.00±0.15	1.25±0.10	0.60±0.10	0.20±0.10	0.30±0.15	0.35±0.15	0.65±0.10	0.25±0.10	-	-

■ ELECTRICAL SPECIFICATION

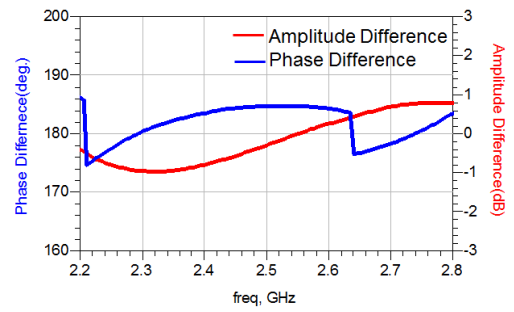
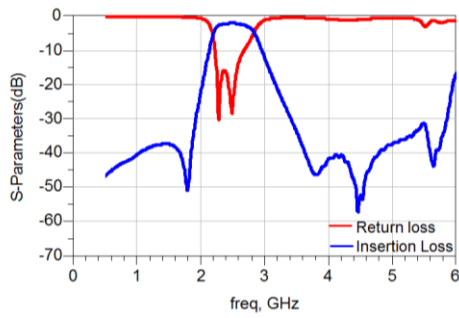
2.4GHz BAND WORKING FREQUENCY

Part Number	Frequency Range (MHz)	Impedance(Ω)		Insertion Loss (dB)	Attenuation (dB min.)	VSWR (Max.)	Phase Difference	Amplitude Difference	Size (mm)	STRUCTURE
		Unbalance	Balance							
RFBPB2012090A1T	2.4~2.5	50	Conjugate match to BC series of Bluetooth chipset	3.5	35(880~960MHz) 30(1710~1880MHz) 20(1880~1990MHz) 30(4800~5000MHz)	2.1	180°± 10	2	2.00x1.25x0.9 0	A-1
RFBPB2012090A9T	2.4~2.5	50	Conjugate match to BC series of Bluetooth chipset	2.8	35(880~960MHz) 30(1575MHz) 25(1710~1880MHz) 30(4800~5000MHz)	2.1	180°± 10	2	2.00x1.25x0.9 0	A-1
RFBPB2012090AAT	2.4~2.5	50	Conjugate match to CSR BC03/ 04 series	3.5	35(880~960MHz) 30(1710~1880MHz) 20(1880~1990MHz) 30(4800~5000MHz)	2.1	180°± 10	2	2.00x1.25x0.9 0	A-1
RFBPB2012060ABT	2.4~2.5	50	Impedance match to T.I. CC253X,CC254X, CC257X, CC853X and CC852X Chipsets	1.5max.(25°C) 1.7max. (-40~+85°C)	12(1000MHz) 15(4800~5000MHz) 20(7200~7500MHz)	2.0	180°± 15	2	2.00x1.25x0.6 0	B
RFBPB2012080AET	2.4~2.5	50	Impedance match to: Atmel AT86RF232, AT86RF233, ATMega256RF R2, Zigbit 256RFR2, Zigbit RF233, ZigBit RF233+FEM, Extension RF233, USB RF233	1.5max.(25°C) 1.7max. (-40~+85°C)	20(4800~5000MHz) 20(7200~7500MHz)	2.0	180°± 10	2	1.95x1.25x0.8 0	B
RFBPB2012090AHT	2.4~2.5	50	100	3.5	30(880~960MHz) 30(1710~1880MHz) 20(1880~1990MHz) 30(4800~5000MHz)	2.0	180°± 10	2	2.00x1.25x0.9 0	A-1
RFBPB2012090AM1T59	2.4~2.5	50	Conjunction to MT5931/MT6628 Chipset	2.5 (typ.2.2)	35(824~960 MHz) 32(1990 MHz) 18(2170 MHz) 40(4800~5000MHz) 25(7200~7500MHz)	2.0	180°± 10	2	2.00x1.25x0.9 5	A-1
RFBPB2012090AM1T61	2.4~2.5	50	Conjugate match to MTK MT6611 Bluetooth chipset	2.8	35(880~960MHz) 30(1710~1880MHz) 20(1880~1900MHz) 30(4800~5000MHz)	2.1	180°± 10	2	2.00x1.25x0.9 0	A-1
RFBPB2012100A6T	2.4~2.5	50	Conjugate match to BC series of Bluetooth chipset	3.5	35(880~960MHz) 30(1710~1880MHz) 20(1880~1900MHz) 40(4800~5000MHz)	2.0	180°± 10	2	2.00x1.25x1.0 0	A-1
RFBPB2012110A5T	2.4~2.5	50	50	2.8	30(880~960 MHz) 30(1710~1880 MHz) 20(1880~1990 MHz) 30(4800~5000 MHz)	2.0	180°± 10	2	2.00x1.25x1.1 0	A-1
RFBPB2520090A7T	2.4~2.5	50	Conjugate match to TI BRF6150	3.5	35(880~960MHz) 30(1710~1880MHz) 25(1880~1990MHz) 25(4800~5000MHz)	2.0	180°± 15	1.5	2.50x2.00x0.9 0	A-2

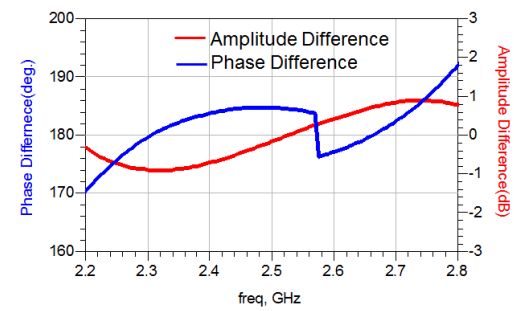
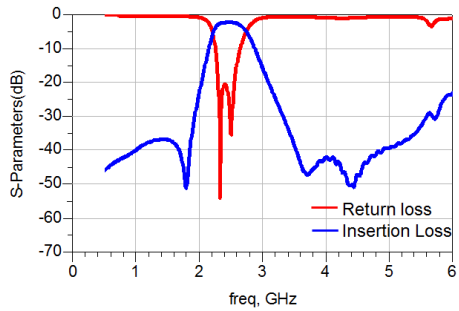
HIGH FREQUENCY MULTILAYER BALANCED FILTER

■ TYPICAL ELECTRICAL CHARACTERISTICS

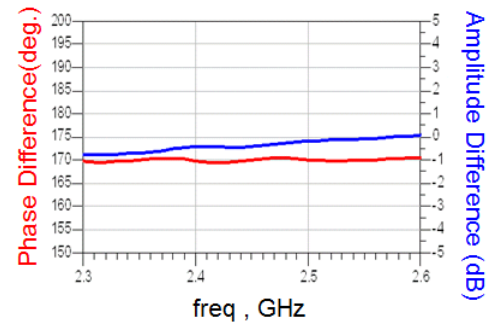
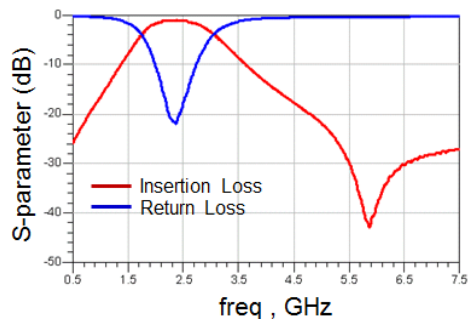
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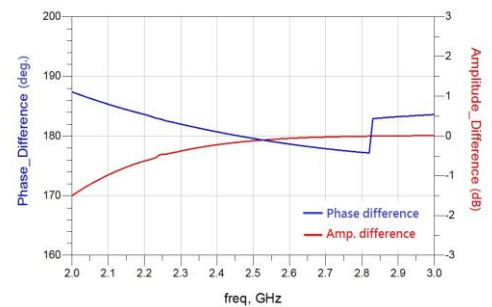
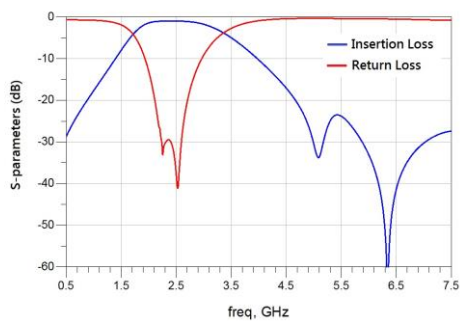
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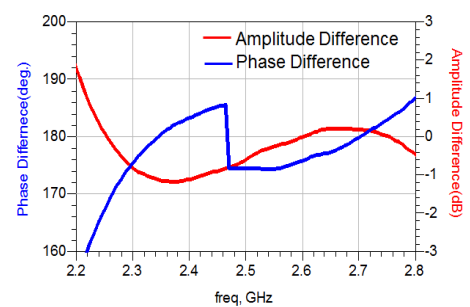
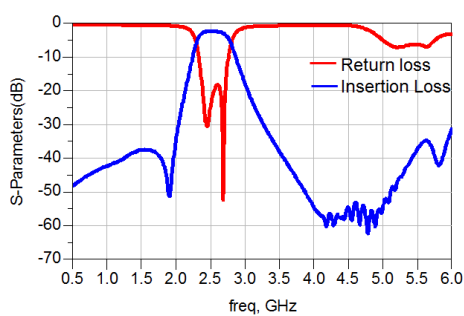
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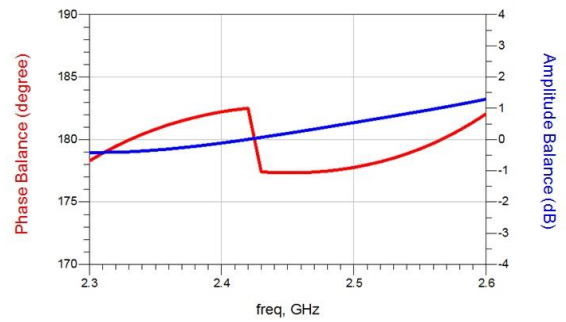
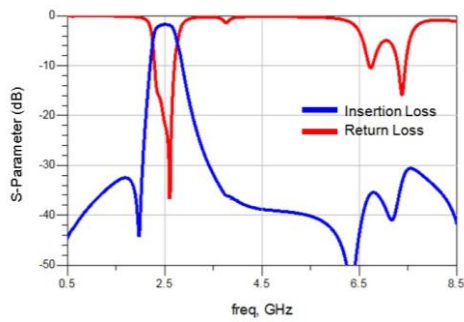


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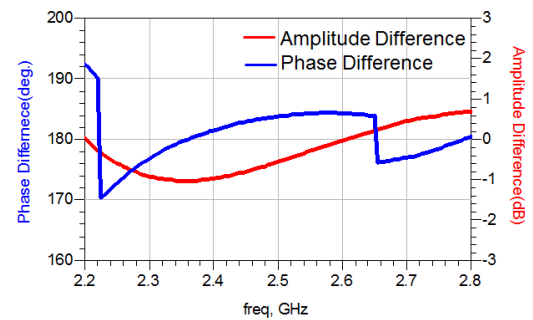
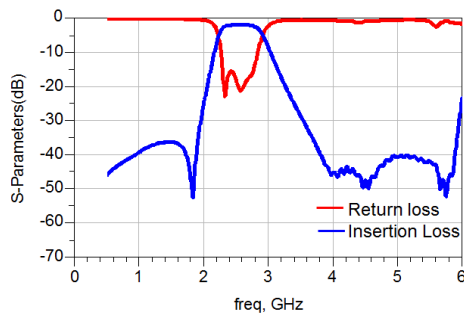


TYPICAL ELECTRICAL CHARACTERISTICS

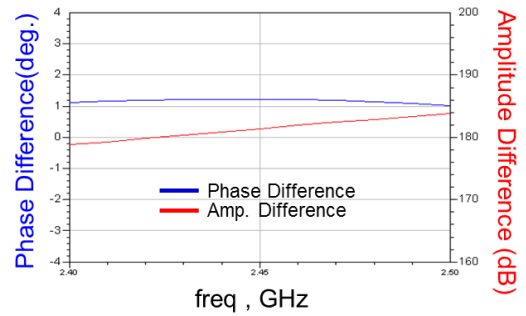
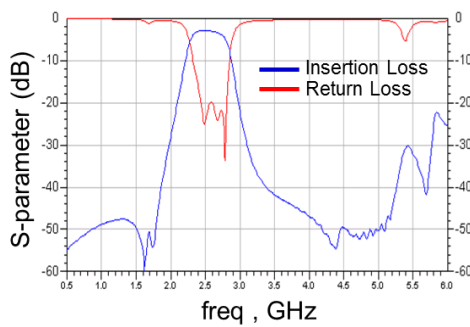
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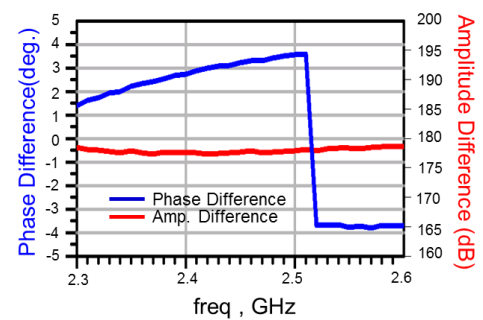
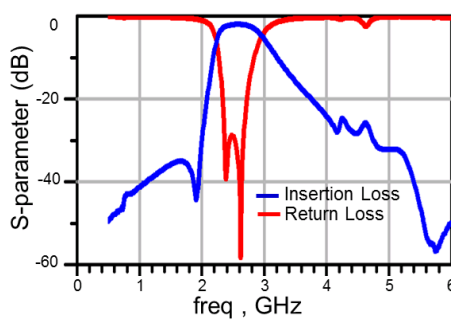
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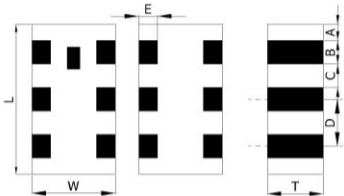
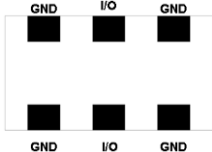
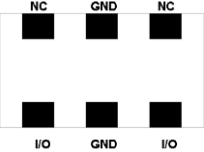
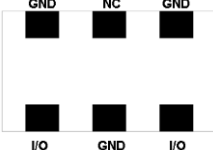
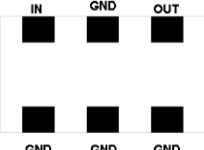
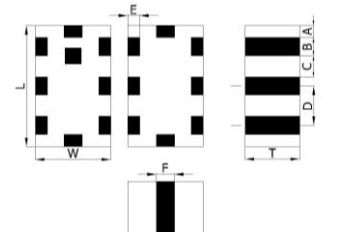
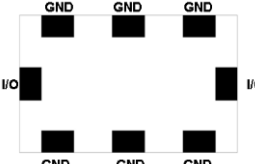
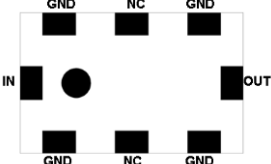
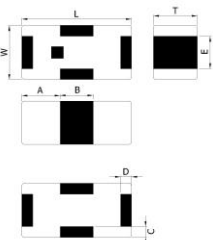
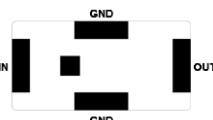
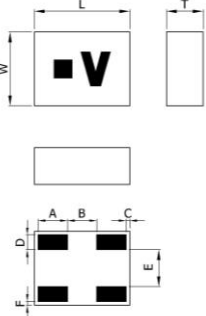
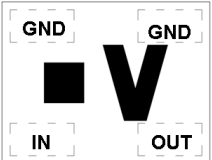
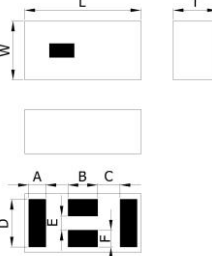
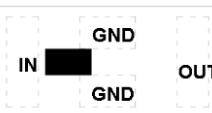
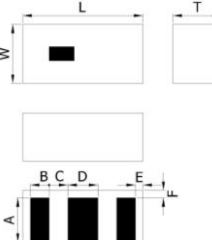
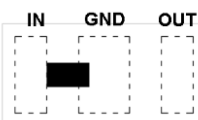
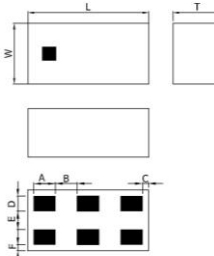
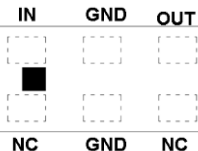
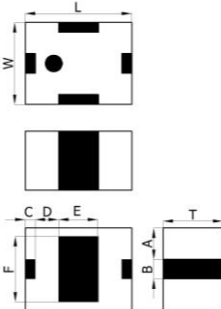
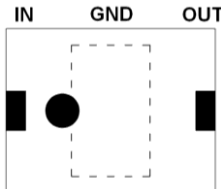


- For more information, please contact with local sales representative
- All specifications are subject to change without notice

HIGH FREQUENCY
MULTILAYER LOW PASS FILTER

HIGH FREQUENCY MULTILAYER LOW PASS FILTER

■ STRUCTURE AND PIN ASSOCIATED

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

■ STRUCTURE AND DIMENSION

Unit: mm									
Structure\Dimension	L	W	T	A	B	C	D	E	F
A	1.60±0.15	0.80±0.15	0.50max.	0.20±0.10	0.24±0.10	0.24±0.10	0.50±0.10	0.15±0.10	-
			0.60±0.10	0.175±0.15	0.25±0.15	0.25±0.15	0.50±0.15	0.20±0.15	-
			0.65±0.10	0.175±0.15	0.25±0.15	0.25±0.15	0.50±0.15	0.20±0.15	-
			0.70max.	0.175±0.15	0.25±0.15	0.25±0.15	0.50±0.15	0.20±0.15	-
B	2.00±0.15	1.25±0.10	0.90±0.10	0.20±0.10	0.30±0.10	0.35±0.10	0.65±0.10	0.20±0.10	0.20±0.10
			0.95±0.10	0.20±0.10	0.30±0.10	0.35±0.10	0.65±0.10	0.20±0.10	0.20±0.10
			1.05±0.10	0.20±0.10	0.30±0.10	0.35±0.10	0.65±0.10	0.20±0.10	0.20±0.10
			1.00±0.20	0.10min.	0.55±0.15	0.45±0.15	1.00±0.15	0.30±0.15	0.70±0.20
C	1.00±0.10	0.50±0.10	0.40±0.10	0.35±0.10	0.30±0.10	0.15±0.10	0.15±0.10	0.30±0.10	-
	1.60±0.15	0.80±0.15	0.50max.	0.45±0.15	0.70±0.15	0.20±0.15	0.20±0.15	0.30±0.15	0.25±0.15
D	0.65±0.10	0.50±0.10	0.40max.	0.20±0.05	0.20±0.05	0.025±0.025	0.10±0.05	0.25±0.05	0.025±0.025
E	1.60±0.15	0.80±0.15	0.45max.	0.23±0.05	0.40±0.10	0.30±0.10	0.65±0.10	0.20±0.05	0.23±0.05
			0.65max.	0.23±0.05	0.40±0.10	0.30±0.10	0.65±0.10	0.20±0.05	0.23±0.05
			0.60±0.10	0.23±0.05	0.40±0.10	0.30±0.10	0.65±0.10	0.20±0.05	0.23±0.05
F	1.60±0.10	0.80±0.10	0.65max.	0.60±0.10	0.25±0.10	0.25±0.10	0.40±0.10	0.10±0.05	0.10±0.05
	2.00±0.15	1.25±0.10	0.90±0.10	0.95±0.10	0.275±0.10	0.25±0.10	0.60±0.10	0.175±0.10	0.15±0.10
			1.00max.	0.95±0.10	0.275±0.10	0.25±0.10	0.60±0.10	0.175±0.10	0.15±0.10
G	1.00±0.10	0.50±0.10	0.40 max.	0.18±0.05	0.18±0.05	0.05±0.05	0.125±0.05	0.15±0.05	0.05±0.05
H	3.20±0.20	2.50±0.20	1.00±0.20	0.95±0.20	0.60±0.20	0.30±0.15	0.70±0.15	1.20±0.15	2.00±0.15
			1.80±0.20	0.95±0.20	0.60±0.20	0.30±0.15	0.70±0.15	1.20±0.15	2.00±0.15

■ ELECTRICAL SPECIFICATION

GSM850/900GHz BAND WORKING FREQUENCY

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	Structure
RFLPF06050G9D0T	824~915	0.5max.(25℃) 0.7max.(-40~+85℃)	20(2400~2750MHz)	2.0	50	0.65x0.50x0.40	D
RFLPF10050G9D0T	824~915	0.6	25(1648~1830MHz) 25(2472~2745MHz) 25(3296~3660MHz)	2.0	50	1.00x0.50x0.40	C
RFLPF10050G9D3T	824~915	0.5max.(25℃) 0.7max.(-40~+85℃)	25(1648~1830MHz) 25(2472~2745MHz) 25(3296~3660MHz)	2.0	50	1.00x0.50x0.40	C
RFLPF10050G9D4T	699~915	0.5max.(25℃) 0.7max.(-40~+85℃)	25(1648~1830MHz) 25(2472~2745MHz) 25(3296~3660MHz)	2.0	50	1.00x0.50x0.40	C
RFLPF10050G9D58Q1C	814~915	0.5max.(25℃) 0.65max.(-40~+85℃)	18(1648~1830MHz) 17(2472~2745MHz)	2.0	50	1.00x0.50x0.40	C
RFLPF16080G9D4T	698~960	0.60(698~830MHz) 0.70(830~900MHz) 0.75(900~915MHz) 0.90(915~960MHz)	30(1554~1830MHz) 35(2097~2745MHz)	1.6	50	1.60x0.80x0.65	A-3
RFLPF16080G9DM1T58	698~960	0.8	16(1565~1610MHz) 32(2110~2155MHz)	2.0	50	1.60x0.80x0.50	A-4
RFLPF10050G9DM1T76	698~960	0.6max.(25℃) 0.65max.(-40~+85℃)	13(1554~1610MHz) 35(1805~1830MHz) 35(2110~2170MHz) 30(1710~2700MHz)	2.0	50	1.00x0.50x0.40	G
RFLPF20120G9D0T	890~915	0.6max.(25℃) 0.75max.(-40~+85℃)	30(1780~1830MHz) 30(2670~2745MHz)	2.0	50	2.00x1.25x0.95	B-2
RFLPF20120G9D1T	890~915	0.6max.(25℃) 0.75max.(-40~+85℃)	40(1720~1765MHz) 30(1780~1830MHz) 30(2670~2745MHz)	2.0	50	2.00x1.25x0.95	B-2

DCS/PCS BAND WORKING FREQUENCY

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	Structure
RFLPF10051G8D0T	1710~1910	0.8	35(3420~3570MHz) 35(3700~3820MHz) 35(5130~5730MHz)	2.0	50	1.00x0.50x0.40	C
RFLPF10051G8DM5T51	1710~1910	0.6	26(3420~3570MHz) 21(3700~3820MHz) 21(5130~5730MHz)	2.0	50	1.00x0.50x0.40	C
RFLPF10051G8DM1T76	1880~2025	1.4max.(25℃) 1.6max.(-40~+85℃)	20(2400~2500MHz) 25(3760~4050MHz) 25(5150~5850MHz) 25(5640~6075MHz)	2.0 (typ.1.16)	50	1.00x0.50x0.40	G
RFLPF16081G8D3T	1710~1910	0.45max.(25℃) 0.55max.(-40~+85℃)	30(3420~3570MHz) 25(3700~3820MHz) 25(5130~5730MHz)	2.0	50	1.60x0.80x0.50	C
RFLPF16081G8D78Q1C	1880~2025	1.4	25(2400~2500MHz) 18(4020~4045MHz) 25(6030~6075MHz)	2.0	50	1.60x0.80x0.60	F
RFLPF16081G8DC8Q1C	1880~2170	0.60(1880~1920MHz) 0.70(1920~1980MHz) 0.80(2010~2170MHz) 2.00(2025~2170MHz)	15(2400~2500MHz) 20(3760~4050MHz) 12(5150~5850MHz) 12(5640~6075MHz) 5(7520~8100MHz)	2.0	20	1.60x0.80x0.60	E
RFLPF20121G8D1T	1880~2025	1.35max.(25℃) 1.50max.(-40~+85℃)	38(2400~2500MHz) 25(4020~4045MHz) 27(6030~6075MHz)	1.9	50	2.00x1.20x0.90	F

HIGH FREQUENCY

MULTILAYER LOW PASS FILTER

2.4GHz BAND WORKING FREQUENCY

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	Structure
RFLPF1005040A0T	2450±50	0.45max.(25°C) 0.55max.(-40~+85°C)	21(4800~5000MHz) 21(7200~7500MHz)	1.7	50	1.00x0.50x0.40	C
RFLPF1005040A1T	2450±50	0.75	33(4800~5000MHz) 37(7200~7500MHz)	2.0	50	1.00x0.50x0.40	C
RFLPF1005040A2T	2450±50	0.75max.(25°C) 0.90max.(-40~+85°C)	32(4800~5000MHz) 35(7200~7500MHz)	2.0	50	1.00x0.50x0.40	C
RFLPF1608060AM2T66	2450±50	0.65 (typ.0.55)	20(3603~3720MHz) 30(4804~4960MHz) 10(6005~6200MHz) 20(7206~7440MHz) 10(8407~8680MHz) 20(9608~9920MHz) 10(10809~11160MHz) 10(12010~12400MHz) 10(13211~13640MHz) 15(14412~14880MHz) 10(15613~16120MHz) 10(16814~17360MHz)	2.0 (typ.1.5)	50	1.60x0.80x0.65	A-1
RFLPF1608060AAT	2450±50	0.65	20(3603~3720MHz) 30(4804~4960MHz) 10(6005~6200MHz) 20(7206~7440MHz) 10(8407~8680MHz) 20(9608~9920MHz) 10(10809~11160MHz) 10(12010~12400MHz) 10(13211~13640MHz) 15(14412~14880MHz) 10(15613~16120MHz) 10(16814~17360MHz)	2.0	50	1.60x0.80x0.70	A-1
RFLPF1608060ABT	2450±50	0.50	35(4800~5000MHz) 25(7200~7500MHz)	2.0	50	1.60x0.80x0.60	A-1
RFLPF1608060A0T	2450±50	0.65 (typ.0.48)	35(4800MHz(typ.40)) 27(7200MHz(typ.40))	1.5	50	1.60x0.80x0.60	A-1
RFLPF1608060A1T	2450±50	0.6	27(4800~5000MHz) 30(7200~7500MHz)	2.0	50	1.60x0.80x0.60	A-2
RFLPF1608060A2T	2450±50	0.42	25(4800MHz) 18(7200MHz)	1.5	50	1.60x0.80x0.60	A-1
RFLPF1608060A9T	2450±50	0.50max.(25°C) 0.60max.(-40~+85°C)	20(3400MHz) 20(3600MHz) 30(4800~5000MHz) 30(7200~7500MHz)	2.0	50	1.60x0.80x0.60	E
RFLPF2012110A0T	2450±50	0.7	30(2x(f0±BW/2)) 20(3x(f0±BW/2))	1.5	50	2.00x1.25x1.05	B-1

5GHz BAND WORKING FREQUENCY

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	Structure
RFLPF1608050K0T	5400±500	0.60(25°C) 0.70(-40~+85°C)	25(9800MHz) 30(11900MHz) 20(17850MHz) (for reference)	2.0	50	1.60x0.85x0.50	C
RFLPF2012090K0T	5400±500	0.55(25°C) 0.65(-40~+85°C)	30(9800MHz) 30(11800MHz) 20(17550MHz) (for reference)	2.0	50	2.00x1.25x0.90	B-1

LTE BAND APPLICATION

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	Structure
RFLPF1005040Y0T	617~798	0.60(25°C) 0.65(-40~+85°C)	25(1565~1607MHz) 30(1920~1980MHz)	2.0	50	1.00x0.50x0.40	G
RFLPF1005040YM1T76	746~878	0.60(25°C) 0.65(-40~+85°C)	30(1554~1610MHz) 25(2238~2361MHz)	2.0	50	1.00x0.50x0.40	G
RFLPF1608060Y08Q1C	470~787	0.65(25°C) 0.71(-40~+85°C)	26(1429~1501MHz) 30(1565~1607MHz) 35(1570~1580MHz) 18(1920~1980MHz)	2.0	50	1.60x0.85x0.65	A-3
RFLPF1608060Y18Q1C	698~960	0.60(698~830MHz) 0.70(830~900MHz) 0.75(900~915MHz) 0.90(915~960MHz)	30(1554~1830MHz) 35(2097~2745MHz)	1.6	50	1.60x0.85x0.65	A-3
RFLPF2012090Y2T	400~470	0.50(25°C) 0.65(-40~+85°C)	33(800~940MHz)	2.0	50	2.00x1.25x0.90	F
RFLPF2012090Y3T	500~700	0.65(25°C) 0.80(-40~+85°C)	33(1000~1400MHz)	2.0	50	2.00x1.25x0.90	F
RFLPF2012100Y0T	DC~500	0.70	9(824~960MHz) 25(1710~1990MHz) 25(2400~4000MHz)	2.0	50	2.00x1.25x0.95	B-2
RFLPF1608060E0T	1400~2690	0.25(25°C) 0.30(-40~+85°C)	25(4905~5845MHz)	1.92	50	1.60x0.85x0.65	F
RFLPF1608060F0T	600~2700	0.50	30(4800~8000MHz) 25(8500~12500MHz)	2.0	50	1.60x0.85x0.65	F

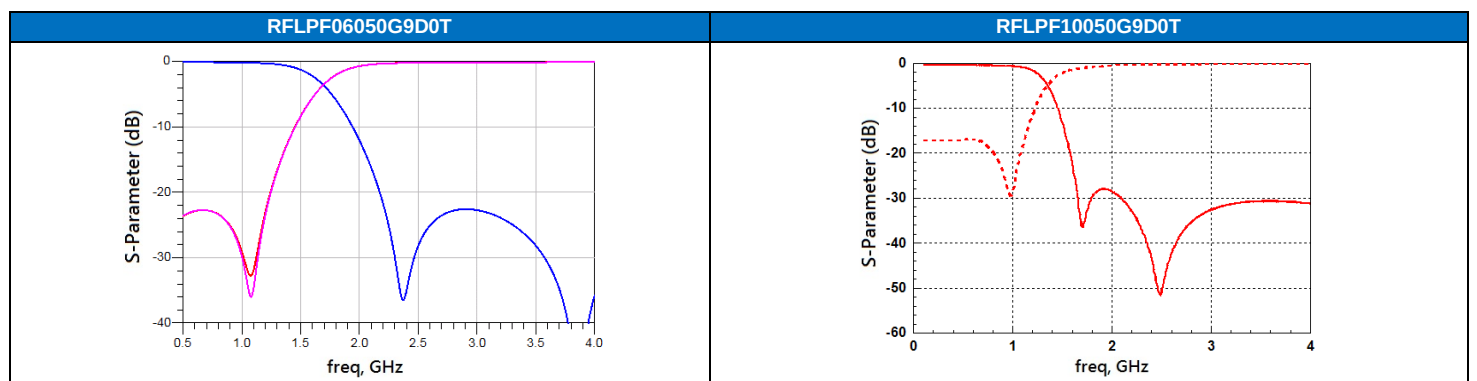
LTE BAND APPLICATION

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	Structure
RFLPF1608060F18Q1C	673~2690	0.50	35(4950~6000MHz) 35(6000~7500MHz) 35(7500~8100MHz) 35(8100~10500MHz) 27(10500~12500MHz)	2.0	50	1.60x0.85x0.65	F
RFLPF1608060F88Q1C	10~2700	0.5	30(4900~5950MHz)	2.0	50	1.60x0.85x0.65	E
RFLPF2012100F18Q1C	1710~2170	1.30(25°C) 1.50(-40~+85°C)	15(2400~2500MHz) 25(3250~3350MHz) 25(3420~3570MHz) 23(3700~3820MHz) 23(3840~3960MHz) 23(4100~4600MHz) 25(4905~5845MHz) 23(5850~6400MHz) 20(6600~7350MHz)	1.56	50	2.00x1.25x1.00	B-2
RFLPF2012100F28Q1C	DC~2170	0.75(25°C) 0.85(-40~+85°C)	10(2400~2500MHz) 23(3250~3350MHz) 20(3420~3570MHz) 18(3700~3820MHz) 18(3840~3960MHz) 18(4100~4600MHz) 20(4905~5845MHz) 18(5850~6400MHz) 5(6600~7350MHz)	2.0	50	2.00x1.25x1.00	F
RFLPF10052G5WM1T76	2300~2700	0.5(25°C) 0.6(-40~+85°C)	25(4600~5400MHz) 25(6900~8100MHz)	2.0	50	1.00x0.50x0.40	G
RFLPF16082G6W0T	2400~2690	0.6	26(4800~5390MHz) 23(7200~8085MHz)	2.0	50	1.60x0.80x0.60	A-2
RFLPF16082G6W2T	2300~2700	0.40(25°C) 0.43(-40~+85°C)	21(4600~5400MHz) 22(6900~8100MHz)	2.0	50	1.60x0.80x0.60	A-2
RFLPF16082G5W0T	2300~2700	0.90(25°C) 1.00(-40~+85°C)	30(4600~5400MHz) 30(6900~8100MHz) 20(9200~10800MHz) 15(11500~13500MHz)	1.8	50	1.60x0.80x0.60	A-1
RFLPF16082G5W6T	2300~2700	0.55	40(4600~5400MHz) 25(6900~8100MHz)	1.7	50	1.60x0.80x0.60	A-1
RFLPF16082G5WM0T29	2300~2690	0.80 (typ.0.40)	25(4600~5400MHz) 25(6900~8070MHz)	2.0	50	1.60x0.80x0.60	A-1
RFLPF16083G5W7T	3300~3800	0.55	17(6600~7600MHz) 20(9900~11400MHz)	1.9	50	1.60x0.80x0.60	A-3
RFLPF2012090BM0T29	800~1000 1700~1910 2010~2025	0.5(800~1000MHz) 0.8(1700~1910MHz) 1.5(2010~2025MHz)	20(2300~3700MHz) 30(3700~4100MHz) 20(4100~6100MHz) 10(6100~8000MHz)	2.0	50	2.00x1.25x0.90	F

MoCA APPLICATION

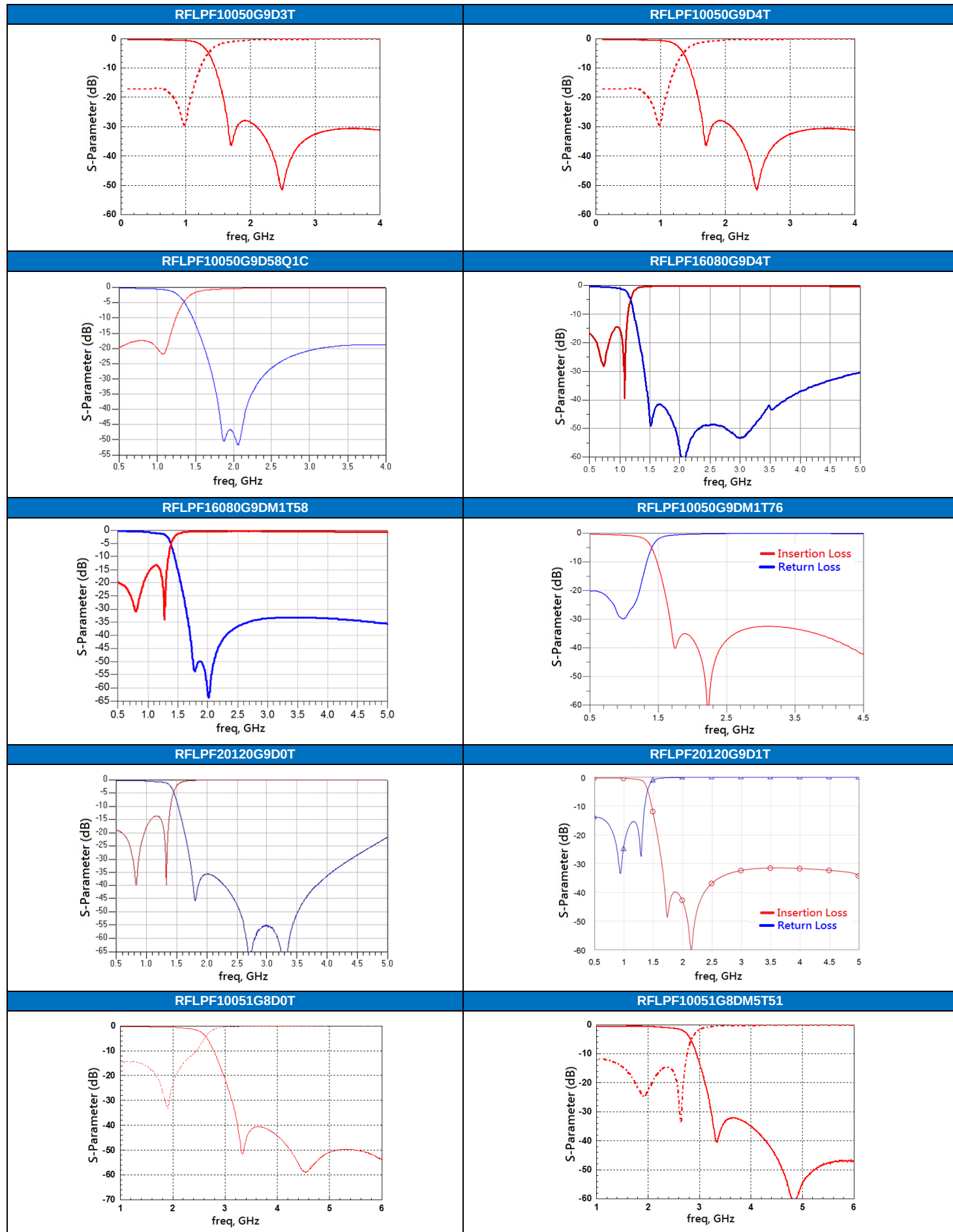
Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Impedance (Ω)	Size(mm)	Structure
RFLPF3225180Y1T	54~870	2.5	35(975~1675MHz)	2.0	75	3.20x2.50x1.80	H
RFLPF3225100Q07B1U	5~1002	2.4(25°C) 2.6(-40~+85°C)	36(1125~1675MHz)	2.0	75	3.20x2.50x1.00	H
RFLPF3225100Q2T	5~1002	2.4(25°C) 2.6(-40~+85°C)	28(1125~1675MHz)	1.9	75	3.20x2.50x1.00	B-1
RFLPF3225200Q5T	5~1002	1.8(25°C) 2.05(-40~+85°C)	33(1125~1400MHz) 26(1400~1675MHz)	2.0	75	3.20x2.50x1.80	H

■ TYPICAL ELECTRICAL CHARACTERISTICS

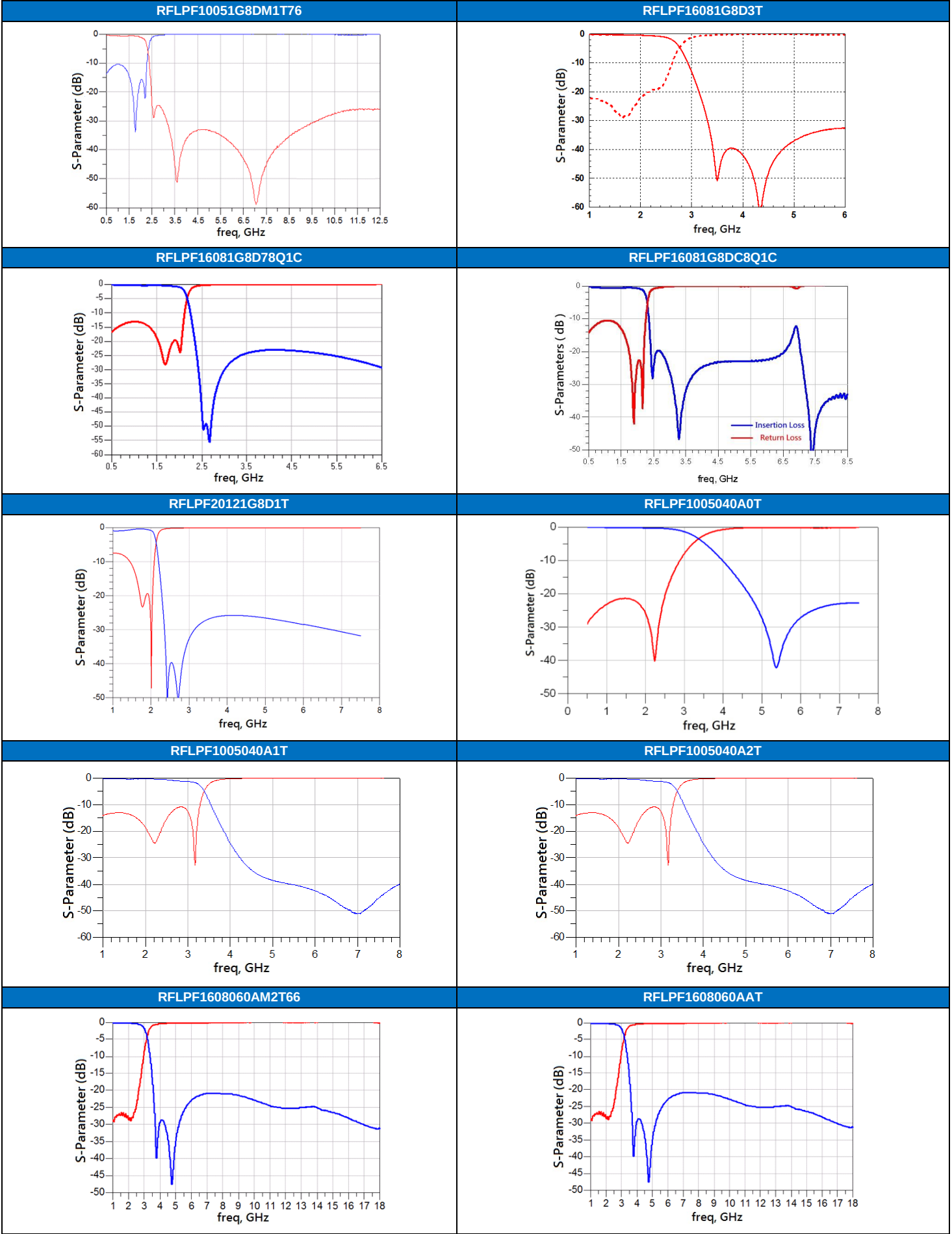


HIGH FREQUENCY MULTILAYER LOW PASS FILTER

TYPICAL ELECTRICAL CHARACTERISTICS

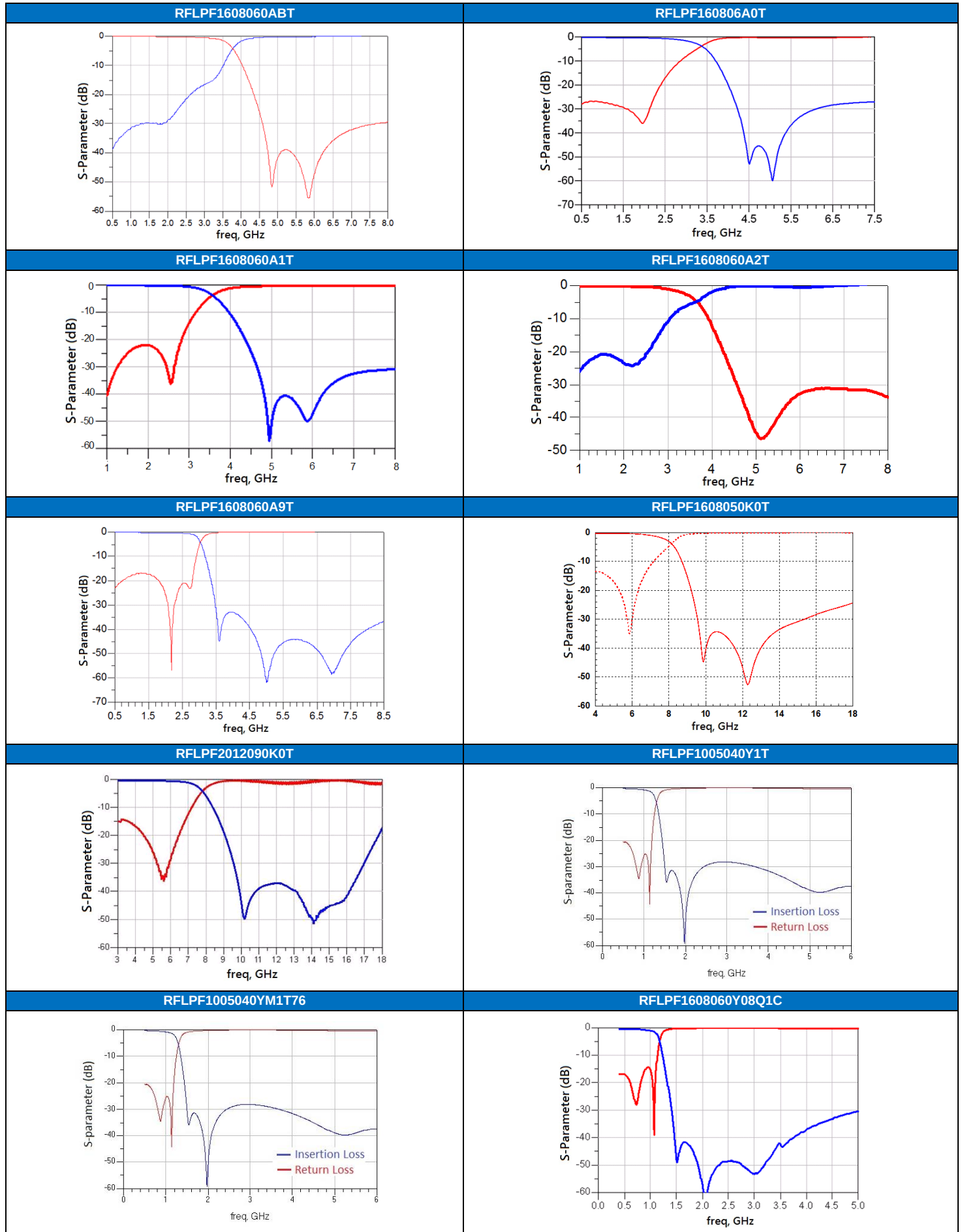


TYPICAL ELECTRICAL CHARACTERISTICS

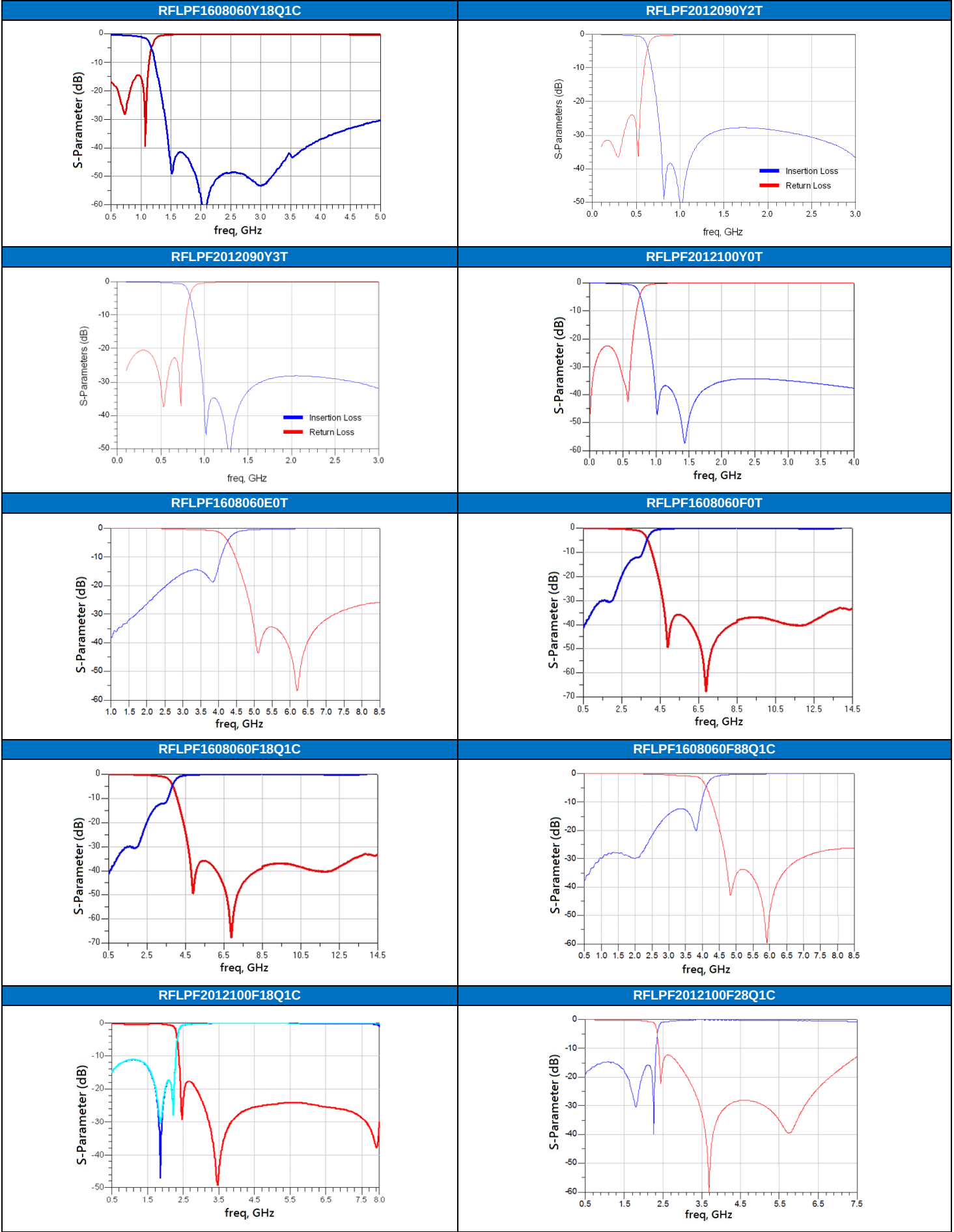


HIGH FREQUENCY MULTILAYER LOW PASS FILTER

TYPICAL ELECTRICAL CHARACTERISTICS

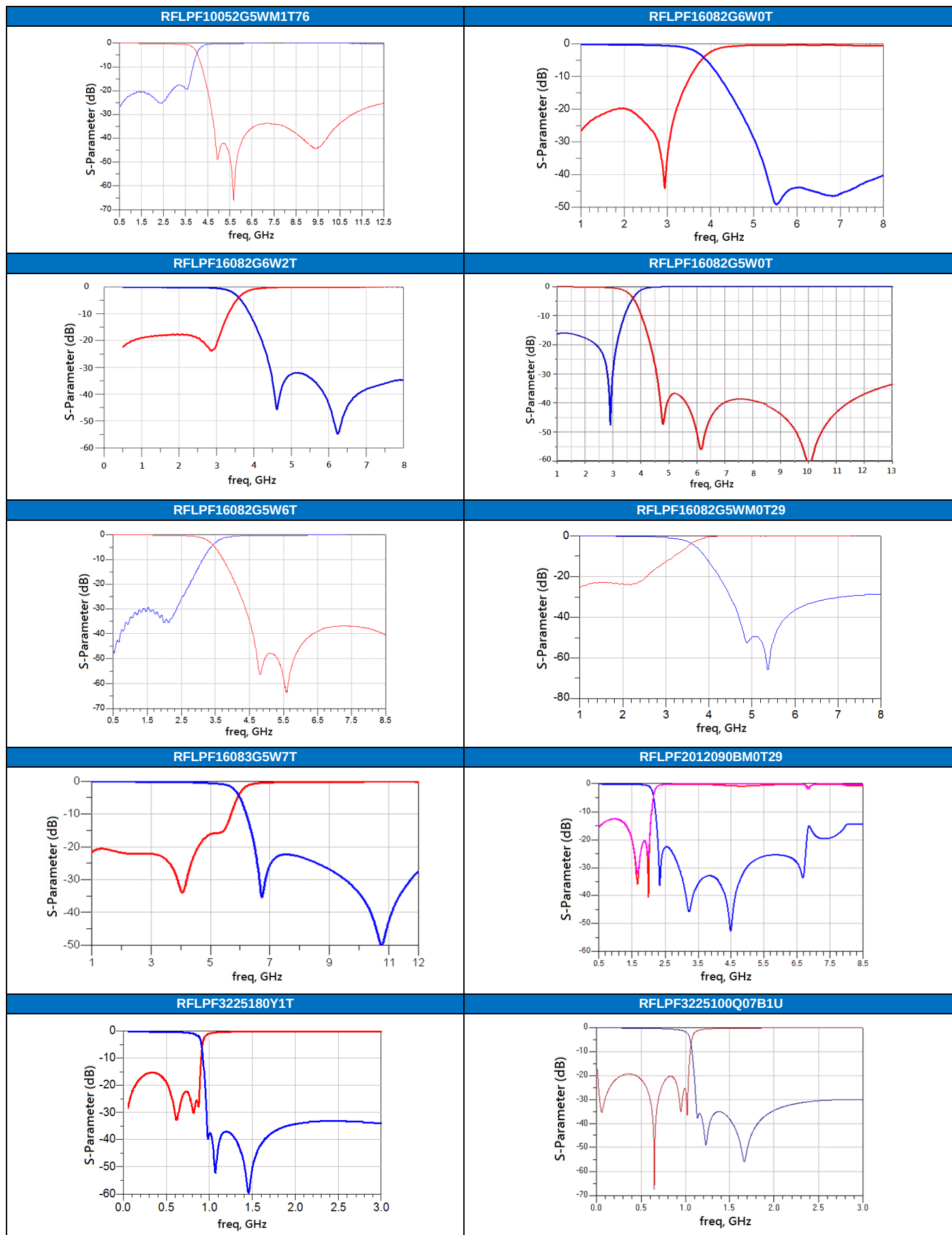


TYPICAL ELECTRICAL CHARACTERISTICS

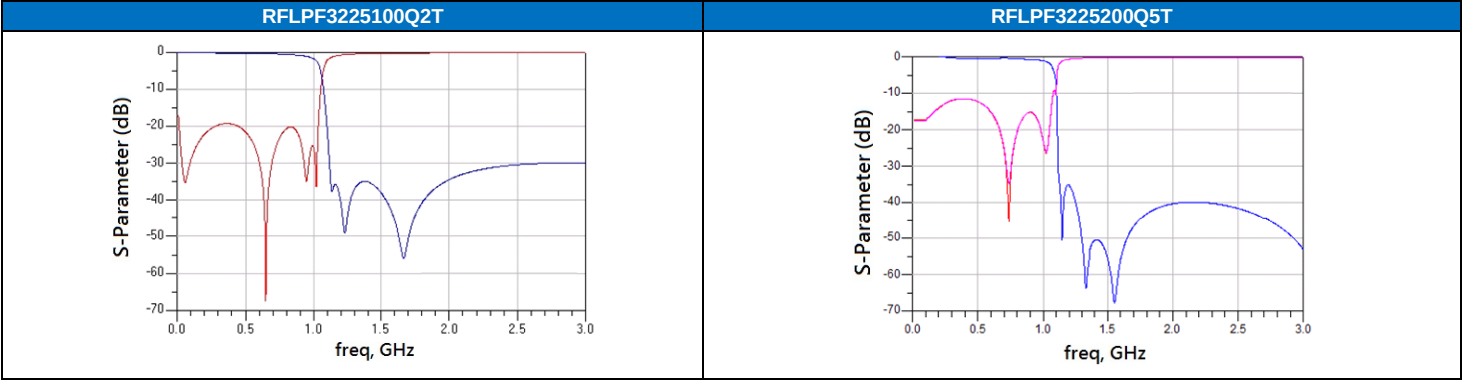


HIGH FREQUENCY MULTILAYER LOW PASS FILTER

TYPICAL ELECTRICAL CHARACTERISTICS



TYPICAL ELECTRICAL CHARACTERISTICS



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

HIGH FREQUENCY

MULTILAYER HIGH PASS FILTER

HIGH FREQUENCY MULTILAYER HIGH PASS FILTER

■ STRUCTURE AND PIN ASSOCIATED

STRUCTURE A	STRUCTURE B	STRUCTURE C	STRUCTURE D	STRUCTURE E

■ STRUCTURE AND DIMENSION

Structure Dimension	L	W	T	A	B	C	D	E	F
A	0.65 ± 0.10	0.50 ± 0.10	0.4 max.	0.225 ± 0.10	0.20 ± 0.05	0.10 ± 0.10	0.20 ± 0.05	0.05 ± 0.05	-
B	1.60 ± 0.15	0.80 ± 0.15	0.60 ± 0.10	0.23 ± 0.05	0.40 ± 0.10	0.30 ± 0.10	0.65 ± 0.10	0.20 ± 0.05	0.23 ± 0.05
C	2.50 ± 0.20	2.00 ± 0.20	0.90 ± 0.10	0.20 ± 0.20	0.55 ± 0.20	0.50 ± 0.20	0.20 ± 0.20	0.20 ± 0.20	-
D	3.20 ± 0.20	2.50 ± 0.20	1.7 max.	0.95 ± 0.20	0.60 ± 0.20	0.30 ± 0.15	0.70 ± 0.15	1.20 ± 0.15	2.00 ± 0.15
E	1.60 ± 0.10	0.80 ± 0.10	0.70 ± 0.10	0.73 ± 0.10	0.30 ± 0.10	0.25 ± 0.10	0.40 ± 0.10	0.05 ± 0.05	0.05 ± 0.05

Unit: mm

■ ELECTRICAL SPECIFICATION

ISM 2.4/ 5GHz Band Application

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Size (mm)	Structure
RFHPF2520090L0T	2400~2500	2.0max.(25°C) 2.3max.(-40~+85°C)	30(869~960 MHz) 45(1805~1990 MHz)	2	2.50x2.00x0.90	C
	5150~5825	1.3max.(25°C) 1.6max.(-40~+85°C)	30(869~960 MHz) 45(1805~1990 MHz)	2		

2496 ~ 2690 MHz BAND WORKING FREQUENCY

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Size (mm)	Structure
RFHPF16082G5W0T	2496~2690	1.2max.(25°C) 1.3max.(-40~+85°C)	25(1710~1995MHz)	2.0	1.6 X 0.8 X 0.6	B
RFHPF16082G5W6T	2300~2690	1.45max.(25°C) 1.65max.(-40~+85°C)	20(1710~1980MHz)	2.0	1.6 X 0.8 X 0.7	E

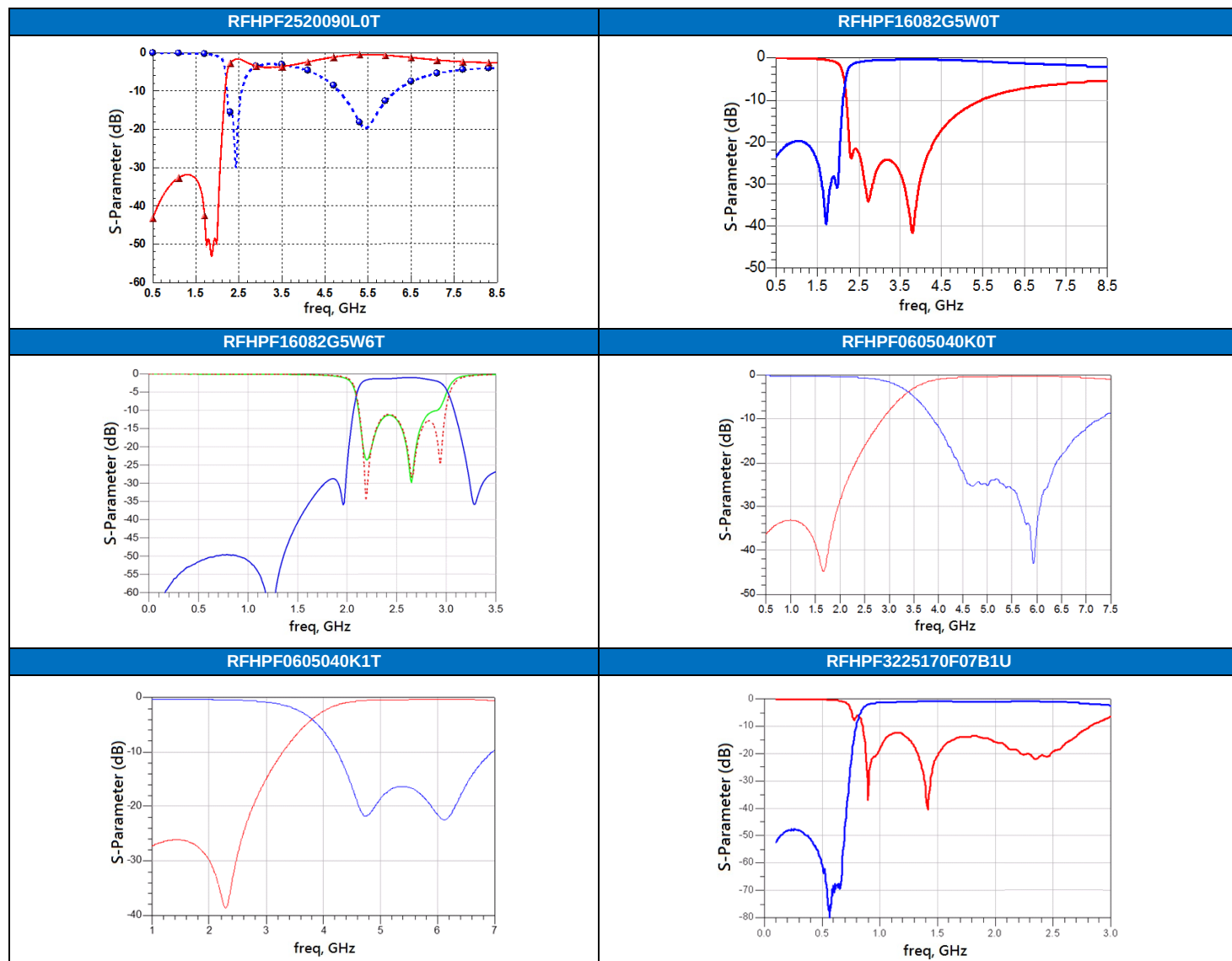
5GHz BAND WORKING FREQUENCY

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Size (mm)	Structure
RFHPF0605040K0T	4900~5840	0.60max.(25°C) 0.65max.(-40~+85°C)	14(2400~2500MHz)	1.6	0.65 X 0.5 X 0.4	A
RFHPF0605040K1T	4900~5850	0.65	20(2450~2500MHz)	2.0	0.65 X 0.5 X 0.4	A

MoCA Application

Part Number	Frequency Range (MHz)	Insertion Loss (dB)	Attenuation (dB min.)	VSWR (max.)	Size (mm)	Structure
RFHPF3225170F07B1U	950~2150	2.00max.(25°C) 2.2max.(-40~+85°C)	50(475~675MHz)	2.0	3.2 X 2.5 X 1.7	DC

■ TYPICAL ELECTRICAL CHARACTERISTICS



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