

DIPLEXER

■ STRUCTURE AND PIN ASSOCIATED

STRUCTURE A																																		
	STRUCTURE A-1 <table><tr><td>GND</td><td>Common</td><td>GND</td></tr><tr><td>High Band</td><td>GND</td><td>Low Band</td></tr></table>	GND	Common	GND	High Band	GND	Low Band	STRUCTURE A-2 <table><tr><td>GND</td><td>Common</td><td>GND</td></tr><tr><td>Low Band</td><td>GND</td><td>High Band</td></tr></table>	GND	Common	GND	Low Band	GND	High Band	STRUCTURE A-3 <table><tr><td>Low Band</td><td>GND</td><td>High Band</td></tr><tr><td>GND</td><td>Common</td><td>GND</td></tr></table>	Low Band	GND	High Band	GND	Common	GND	STRUCTURE A-4 <table><tr><td>High Band</td><td>GND</td><td>Low Band</td></tr><tr><td>GND</td><td>Common</td><td>GND</td></tr></table>	High Band	GND	Low Band	GND	Common	GND						
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■ 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	0.60±0.10	0.175±0.15	0.25±0.15	0.25±0.15	0.50±0.15	0.20±0.15	-
	2.00±0.10	1.25±0.20	0.55±0.15	0.20±0.15	0.30±0.15	0.35±0.15	0.65±0.15	0.20±0.10	-
	2.00±0.15	1.25±0.15	0.95±0.10	0.20±0.20	0.30±0.20	0.35±0.20	0.65±0.20	-	-
B	1.60±0.15	0.80±0.15	0.60±0.10	0.65±0.15	0.30±0.15	0.20±0.15	0.20±0.15	0.25±0.15	0.30±0.15
C	2.00±0.15	1.25±0.15	0.70±0.10	0.35±0.10	0.30±0.10	0.65±0.10	0.60±0.10	0.275±0.10	-
			0.90±0.10	0.35±0.10	0.30±0.10	0.65±0.10	0.60±0.10	0.275±0.10	-
	2.50±0.15	2.00±0.15	0.80±0.15	0.30±0.15	0.35±0.15	0.65±0.15	0.75±0.15	0.525±0.15	-
D	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	-
E	2.50±0.15	2.00±0.15	0.70±0.10	0.30±0.10	0.40±0.10	0.60±0.10	1.10±0.10	-	-
F	2.50±0.15	2.00±0.15	1.0max.	0.375±0.15	0.25±0.15	0.25±0.15	0.50±0.15	0.20±0.15	-
G	1.60±0.15	0.80±0.15	0.60±0.10	0.65±0.15	0.30±0.15	0.20±0.15	0.20±0.15	0.25±0.15	0.30±0.15

■ ELECTRICAL SPECIFICATION

ISM Band 2.4GHz/5GHz APPLICATION

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB) Min	Isolation	Size (mm)	Structure
RFDIP1608060L0T	2400~2500	50	0.8	18(4800~5000MHz) 20(7200~7500MHz)	10	-	1.60x0.80x0.60	A-1
	4900~5900	50	1.2	20(3700~3900MHz) 20(1800~2500MHz) 20(9800~11800MHz)				
RFDIP1608060L3T	2400~2500	50	0.8	18(4800~5000MHz) 20(7200~7500MHz)	10	-	1.60x0.80x0.60	A-2
	4900~5900	50	1.2	20(3700~3900MHz) 20(1800~2500MHz) 20(9800~11800MHz)				
RFDIP1608060L9T	2400~2500	50	0.6	20(4800~5000MHz) 20(7200~7500MHz)	10	-	1.60x0.80x0.60	B-1
	4900~5900	50	0.8	20(1800~2500MHz)				
RFDIP1608060LBT	2400~2500	50	0.6	20(4800~5000MHz) 20(7200~7500MHz)	10	28(30~2700 MHz) 26(4900~5950 MHz)	1.60x0.80x0.60	A-3
	4900~5900	50	1.4	28(30~2700MHz) 10(9800~11900MHz)				
RFDIP1608060LCT	2400~2500	50	0.6	20(4800~5000MHz) 20(7200~7500MHz)	10	28(30~2700 MHz) 26(4900~5950 MHz)	1.60x0.80x0.60	A-4
	4900~5900	50	1.4	28(30~2700MHz) 10(9800~11900MHz)				
RFDIP1608060LET	2400~2500	50	0.6	18(4800~5000MHz) 18(7200~7500MHz)	10	-	1.60x0.80x0.60	A-1
	4900~5900	50	1.4	20(3700~3900MHz) 20(1800~2500MHz) 10(9800~11800MHz))				
RFDIP1608060LFT	2400~2500	50	0.6	18(4800~5000MHz) 18(7200~7500MHz)	10	-	1.60x0.80x0.60	A-2
	4900~5900	50	1.4	20(3700~3900MHz) 20(1800~2500MHz) 10(9800~11800MHz)				
RFDIP160806BLM6T25	2400~2500	50	0.5	10(3600~3750MHz) 20(4800~5000MHz) 20(5000~5950MHz) 10(7200~7500MHz) 10(9600~10000MHz)	10	-	1.60x0.80x0.60	A-1
	4900~5950	50	0.6	25(860~960MHz) 25(1545~1605MHz) 25(1710~1990MHz) 30(2170 MHz) 10(8100~8800MHz) 15(8820~9800MHz) 25(9800~11900MHz)		25(4800~5000 MHz)		

ISM Band 2.4/5GHz Application

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB) Min	Isolation	Size (mm)	Structure
RFDIP160806ALM6T30	2400~2500	50	0.5	10(3600~3750MHz) 20(4800~5000MHz) 20(5000~5950MHz) 10(7200~7500MHz) 10(9600~10000MHz)	10	-	1.60x0.80x0.60	A-2
	4900~5950	50	0.6	25(860~960MHz) 25(1545~1605MHz) 25(1710~1990MHz) 30(2170MHz) 10(8100~8800MHz) 15(8820~9800MHz) 25(9800~11900MHz)		25(4800~5000 MHz)		
RFDIP1608060LM0T60	2400~2500	50	0.75(25°C) 0.95(-40~+85°C)	20(4800~5000MHz) 20(7200~7500MHz)	10	-	1.60x0.80x0.60	A-2
	4900~5950	50	1.0(25°C) 1.3(-40~+85°C)	20(1800~2500MHz) 20(9800~11800MHz)				
RFDIP160806BLM6T68	2400~2500	50	0.50(25°C) 0.65(-40~+85°C)	21(4800~5000MHz) 21(5000~5950MHz) 25(7200~7500MHz)	10	32(2400~2500MHz) 25(4900~6000MHz)	10	A-2
	4900~5950	50	0.60(25°C) 0.75(-40~+85°C)	27(824~2170MHz) 30(2400~2500MHz) 20(9800~11900MHz)				
RFDIP1608060LVT	2400~2500	50	0.6	-	10	32 (30~2700 MHz) 28(4900~5950 MHz)	1.60x0.80x0.60	A-4
	4900~5950	50	0.8	32(30~2700MHz) 15(9800~11900MHz) 11(14700~17850MHz)				
RFDIP1608060LST	2400~2500	50	0.5(25°C) 0.6(-40~+85°C)	22(4800~5000MHz) 24(7200~7500MHz)	10	-	1.60x0.80x0.60	G
	5100~5900	50	1.1(25°C) 1.3(-40~+85°C)	25(1800~2500MHz) 24(3700~3900MHz) 22(9800~11900MHz)				
RFDIP1608060LY8Q1C	2400~2496	50	0.5	35(4800~5000MHz) 15(7200~7500MHz)	12	-	1.60x0.80x0.60	A-3
	5150~5950	50	1.0	30(70~2000MHz) 30(2400~2690MHz) 12(7250~7800MHz) 25(10300~12000MHz) 10(15000~18000MHz)				
RFDIP1606L168M1U	2400~2500	50	0.55(25°C) 0.60(-40~+85°C)	29(4800~5000MHz) 24(7200~7500MHz)	10	32(30~2700MHz) 28(4900~5950 MHz)	1.60x0.80x0.60	A-3
	4900~5950	50	0.70(25°C) 0.80(-40~+85°C)	32(30~2700MHz) 15(9800~11900MHz) 11(14700~17850MHz)				
RFDIP1606L21T	2400~2500	50	0.40(25°C) 0.50(-40~+85°C)	20(4900~5850MHz) 15(5850~8500MHz)	10	-	1.60x0.80x0.60	B-2
	4900~5850	50	0.60(25°C) 0.70(-40~+85°C)	20(2400~2500MHz)				
RFDIP1606L22T	2400~2500	50	0.40(25°C) 0.50(-40~+85°C)	20(4900~5850MHz)	10	-	1.60x0.80x0.60	B-1
	4900~5850	50	0.60(25°C) 0.70(-40~+85°C)	20(2400~2500MHz)				
RFDIP1606L23T	2400~2500	50	0.6	23(4800~5000MHz) 30(7200~7500MHz)	10	-	1.60x0.80x0.60	A-3
	5150~5850	50	1.5	25(2400~2500MHz) 15(3400~3600MHz) 10(3600~3900MHz) 20(6900~7550MHz) 30(10600~11700MHz) 20(15300~16200MHz)				
RFDIP1606L24T	2400~2500	50	0.5	23(4800~5000MHz) 30(7200~7500MHz)	10	-	1.60x0.80x0.60	A-4
	5150~5850	50	0.6	25(2400~2500MHz) 15(3400~3600MHz) 10(3600~3900MHz) 20(6900~7550MHz) 30(10600~11700MHz) 20(15300~16200MHz)				
RFDIP1606L29T	2400~2500	50	0.75(25°C) 0.95(-40~+85°C)	25(4800~5000MHz) 20(7200~7500MHz)	10	-	1.60x0.80x0.60	A-2
	4900~5950	50	1.10(25°C) 1.30(-40~+85°C)	20(1800~2500MHz) 15(9800~11900MHz)				

ISM Band 2.4/5GHz Application

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB)Min	Isolation	Size (mm)	Structure
RFDIP1606L42T	2400~2500	50	0.6	23(4800~5000MHz) 30(7200~7500MHz)	10	40(5150~5850MHz)	1.60x0.80x0.60	A-3
	5100~5850	50	1.5	25(2400~2500MHz) 15(3400~3600MHz) 10(3600~3900MHz) 20(6900~7550MHz) 30(10600~11700MHz) 20(15300~16200MHz)				
RFDIP1606L44T	2400~2500	50	0.6	23(4800~5000MHz) 30(7200~7500MHz)	10	40(5150~5850MHz)	1.60x0.80x0.60	A-4
	5100~5850	50	1.5	25(2400~2500MHz) 15(3400~3600MHz) 10(3600~3900MHz) 20(6900~7550MHz) 30(10600~11700MHz) 20(15300~16200MHz)				
RFDIP1606L51T	2400~2500	50	0.35(25°C) 0.45(-40~+85°C)	20(4800~5000MHz) 22(5000~5950MHz) 20(7200~7500MHz)	10	-	1.60x0.80x0.60	B-2
	4900~5850	50	0.50(25°C) 0.60(-40~+85°C)	26(824~2170MHz) 30(2400~2500MHz) 25(9500~11900MHz)				
RFDIP1606L52T	2400~2500	50	0.40(25°C) 0.45(-40~+85°C)	21(4800~5000MHz) 23(5000~5500MHz) 28(5500~5950MHz) 21(7200~7500MHz)	10	-	1.60x0.80x0.60	B-1
	4900~5850	50	0.50(25°C) 0.60(-40~+85°C)	27(824~2170MHz) 31(2400~2500MHz) 26(9800~11900MHz)				
RFDIP1606L53T	2400~2500	50	0.5	10(3600~3750MHz) 20(4800~5000MHz) 20(5000~5950MHz) 10(7200~7500MHz) 10(9600~10000MHz)	10	-	1.60x0.80x0.60	A-3
	5150~5850	50	0.6	25(860~960MHz) 25(1545~1605MHz) 25(1710~1990MHz) 30(2170MHz) 25(2400~2500MHz) 10(8100~8800MHz) 15(8820~9800MHz) 25(9800~11900MHz)				
RFDIP1606L54T	2400~2500	50	0.5	10(3600~3750MHz) 20(4800~5000MHz) 20(5000~5950MHz) 10(7200~7500MHz) 10(9600~10000MHz)	10	-	1.60x0.80x0.60	A-4
	4900~5950	50	0.6	25(860~960MHz) 25(1545~1605MHz) 25(1710~1990MHz) 30(2170MHz) 25(2400~2500MHz) 10(8100~8800MHz) 15(8820~9800MHz) 25(9800~11900MHz)				
KFDIP2004L157B1U	2400~2500	50	0.5	10(3600MHz) 20(4800~5000MHz) 20(7200~7500MHz)	10	20(DC~2500MHz) 20(4900~5950MHz)	2.00x1.25x0.40	A-3
	4900~5950	50	1.0	20(824~915MHz) 20(1800~2500MHz) 10(3000~3900MHz) 4(7250MHz) 20(9800~11900MHz) 20(14700~17850MHz)				
KFDIP2004L167B1U	2400~2500	50	0.5	10(3600MHz) 20(4800~5000MHz) 20(7200~7500MHz)	10	20(DC~2500MHz) 20(4900~5950MHz)	2.00x1.25x0.40	A-4
	4900~5950	50	1.0	20(824~915MHz) 20(1800~2500MHz) 10(3000~3900MHz) 4(7250MHz) 20(9800~11900MHz) 20(14700~17850MHz)				

ISM Band 2.4/5GHz Application

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB) Min	Isolation	Size (mm)	Structure
KFDIP2004L197B1U	2400~2500	50	0.6	15(3600MHz) 25(4800~5000MHz) 20(7200~7500MHz)	10	20(DC~2500MHz) 20(4900~5950MHz)	2.00x1.25x0.40	A-3
	4900~5950	50	1.0	20(824~915MHz) 18(1800~2500MHz) 14(3000~3900MHz) 20(9800~11900MHz) 20(14700~17850MHz)				
RFDIP2012050L5T	2400~2500	50	0.7	18(4800~6000MHz) 18(7200~7500 MHz)	10	-	2.00x1.25x0.55	A-1
	4900~5900	50	1.0	19(1800~2500MHz) 25(10300~10700MHz)				
RFDIP2012050L7T	2400~2500	50	0.7	18(4800~6000MHz) 18(7200~7500MHz)	10	-	2.00x1.25x0.55	A-2
	4900~5900	50	1.0	19(1800~2500MHz) 25(10300~10700MHz)				
RFDIP2012050L8T	2300~2500	50	0.65(25°C) 0.8(-40~+85°C)	20(4600~5000MHz) 20(6900~7500MHz)	10	-	2.00x1.25x0.55	A-3
	4900~5950	50	1.0	19(1800~2500MHz) 25(10300~10700MHz)				
RFDIP2012100L0T	2400~2500	50	0.7	20(4900MHz) 25(5200MHz) 25(5800MHz)	10	-	2.00x1.25x0.95	A-3
	4900~5900	50	0.9	25(2450MHz)				
RFDIP2012100L3T	2400~2500	50	0.7	20(4900MHz) 25(5200MHz) 25(5800MHz)	10	-	2.00x1.25x0.95	A-2
	4900~5900	50	0.9	25(2450MHz)				
RFDIP2012050LPT	2400~2500	50	0.5(25°C) 0.55(-40~+85°C)	23(4800~6000MHz) 20(7200~7500MHz)	10	-	2.00x1.25x0.55	A-1
	4900~5950	50	0.65(25°C) 0.75(-40~+85°C)	20(800~2500MHz) 15(9800~11900MHz)				
RFDIP2012050LQT	2400~2500	50	0.5(25°C) 0.55(-40~+85°C)	23(4800~6000MHz) 20(7200~7500MHz)	10	-	2.00x1.25x0.55	A-2
	4900~5950	50	0.65(25°C) 0.75(-40~+85°C)	20(800~2500MHz) 15(9800~11900MHz)				
RFDIP2012050LWT	2400~2500	50	0.50(25°C) 0.70(-40~+85°C)	20(4800~6000MHz) 20(7200~7500MHz)	10	-	2.00x1.25x0.55	A-4
	4900~5950	50	0.65(25°C) 0.85(-40~+85°C)	20(800~2500MHz) 15(9800~11900MHz)				
RFDIP2008L107N3T	2400~2500	50	2.2(25°C) 2.4(-40~+85°C)	30(824~915MHz) 30(1545~1610MHz) 30(1710~1990MHz) 25(2110~2170MHz) 8(3200~3600MHz) 12(3700~3900MHz) 28(4800~5000MHz) 25(7200~7500MHz)	10	-	2.00x1.25x0.80	A-1
	5150~5850	50	1.2(25°C) 1.5(-40~+85°C)	20(1545~1610MHz) 20(1710~1990MHz) 20(2110~2170MHz) 23(2400~2500MHz) 8(3450~3900MHz) 8(7250~7800MHz) 20(9800~11700MHz)				
RFDIP2008L117N3T	2400~2500	50	2.2(25°C) 2.4(-40~+85°C)	30(824~915MHz) 30(1545~1610MHz) 30(1710~1990MHz) 25(2110~2170MHz) 8(3200~3600MHz) 12(3700~3900MHz) 28(4800~5000MHz) 25(7200~7500MHz)	10	-	2.00x1.25x0.80	A-2
	5150~5850	50	1.2(25°C) 1.5(-40~+85°C)	20(1545~1610MHz) 20(1710~1990MHz) 20(2110~2170MHz) 23(2400~2500MHz) 8(3450~3900MHz) 8(7250~7800MHz) 20(9800~11700MHz)				

ISM Band 2.4/5GHz Application

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB)Min	Isolation	Size(mm)	Structure
AMDIP2520070L3T	2400~2500	50	2.4(25°C) 2.7(-40~+85°C)	30(824~915MHz) 30(1545~1610MHz) 24(1710~1990MHz) 15(2110~2170MHz) 30(4800~5000MHz) 20(7200~7500MHz)	10	-	2.50x2.00x0.70	E-1
	5150~5850	50	1.2(25°C) 1.5(-40~+85°C)	25(1545~1610MHz) 25(2400~2500MHz) 15(10300~11700MHz)				
AMDIP2520070L4T	2400~2500	50	2.4(25°C) 2.7(-40~+85°C)	30(824~915MHz) 30(1545~1610MHz) 24(1710~1990MHz) 15(2110~2170MHz) 30(4800~5000MHz) 20(7200~7500MHz)	10	-	2.00x1.25x0.80	E-2
	5150~5850	50	1.2(25°C) 1.5(-40~+85°C)	25(1545~1610MHz) 25(2400~2500MHz) 15(10300~11700MHz)				

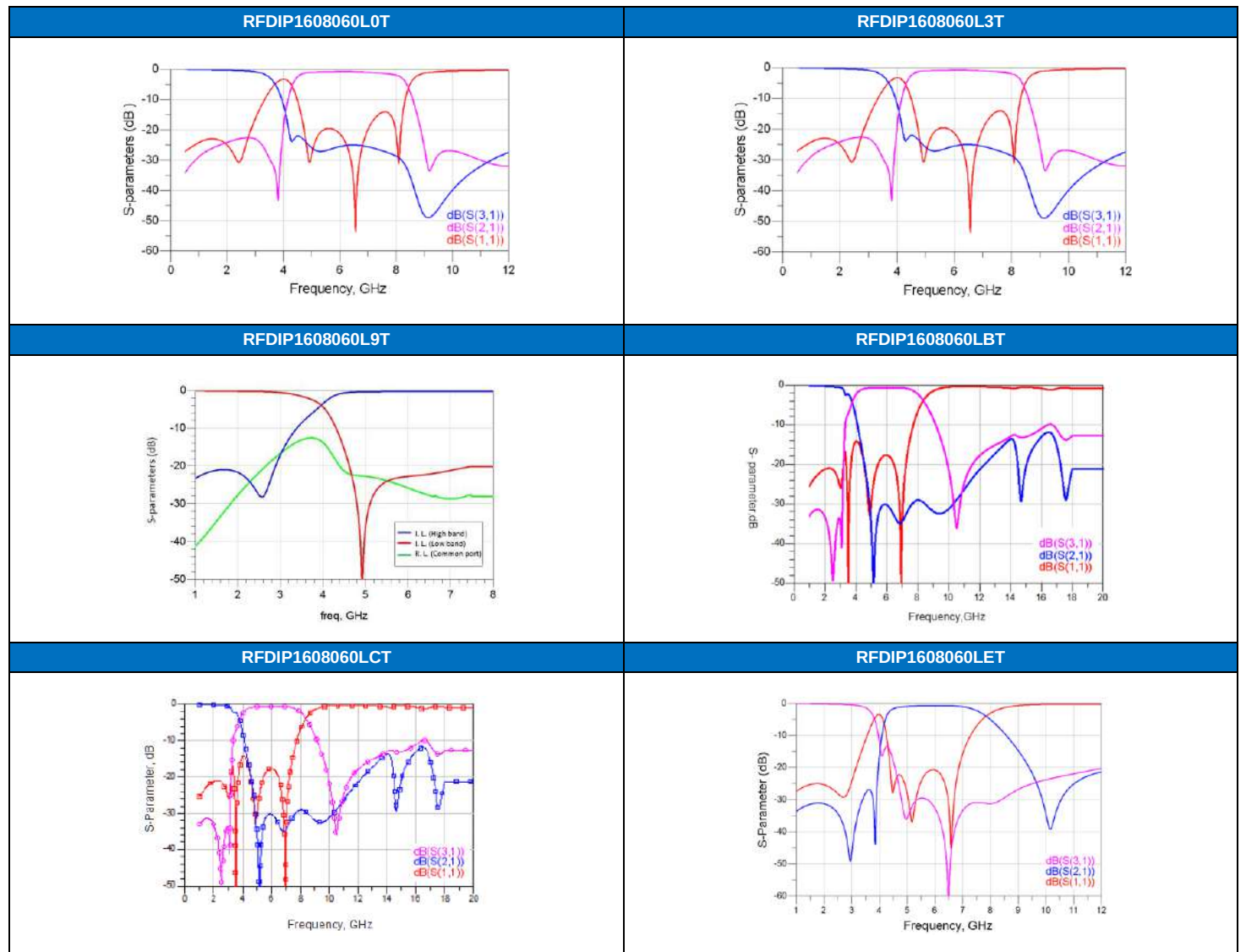
GPS 1.575GHz/ISM 2.4GHz/5GHz Band Application

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB)Min.	Size (mm)	Structure
RFDIP1608060T1T	1574~1577	50	0.65	20(2400~2500MHz)	10	1.60x0.80x0.60	B-1
	2400~2500	50	0.8	20(1574~1577MHz)			
RFDIP1608060TM7T62	1570~1610	50	0.6(typ.0.5)	20(2400~2500MHz) 20(4900~5900MHz)	10	1.60x0.80x0.60	A-4
	2400~2500 4900~5900	50	0.65(typ.0.55)	20(1570~1610MHz)			
RFDIP1608070TM1T76	1710~1880	50	0.70(typ.0.59)	15(2500~2390MHz)	10	1.60x0.80x0.70	D-2
	2500~2690	50	0.65(typ.0.58)	15(1710~1880MHz)			
RFDIP1608060T8T	1570~1610	50	0.45(25°C) 0.55(-40~+85°C)	20(2400~2500MHz)	10	1.60x0.80x0.60	A-4
	2400~2500	50	0.5(25°C) 0.6(-40~+85°C)	20(1560~1607MHz)			
RFDIP1608060T9T	1570~1610	50	0.45(25°C) 0.55(-40~+85°C)	20(2400~2500MHz)	10	1.60x0.80x0.60	A-3
	2400~2500	50	0.5(25°C) 0.6(-40~+85°C)	20(1560~1607MHz)			
RFDIP1608060TAT	698~960 1427~1511 1560~1607	50	0.40 0.55 0.65	20(2400~2500MHz) 20(2620~2690MHz) 20(5150~5850MHz)	10	1.60x0.80x0.60	B-1
	2400~2500 2620~2690 5150~5850	50	0.70 0.60 0.80	20(698~960MHz) 20(1427~1511MHz) 20(1560~1607MHz)			
RFDIP1608060TCT	1570~1610	50	0.6(typ.0.5)	20(2400~2500MHz) 20(4900~5900MHz)	10	1.60x0.80x0.60	A-4
	2400~2500 4900~5900	50	0.65(typ.0.55)	20(1570~1610MHz)			
RFDIP1608060TDT	1570~1610	50	0.65(25°C) 0.75(-40~+85°C)	13(2170MHz) 20(2400~2500MHz)	10	1.60x0.80x0.60	B-2
	2400~2500	50	0.80(25°C) 0.90(-40~+85°C)	20(1565~1616MHz) 15(1710MHz)			
RFDIP2012090T2T	1572.5~1578.5 1597~1607	50	0.40 0.50	13(2400~2500MHz)	10	2.00x1.25x0.90	A-3
	2400~2500	50	0.55(25°C) 0.65(-40~+85°C)	22(1572.5~1578.5MHz) 20(1597~1607MHz)			
RFDIP2520080T1T	1710~1990 1990~2110 2110~2170	50	1.00 1.50 2.50	5(2300~2350MHz) 10(2350~2500MHz) 10(2500~2690MHz)	10	2.50x2.00x0.80	C-2
	2300~2350 2350~2500 2500~2690	50	2.65 1.50 0.65	8(1710~1990MHz) 8(1990~2110MHz) 5(2110~2170MHz)			

892 MHz & 1.94GHz Band Working Frequency

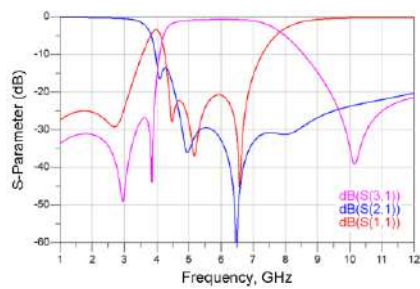
Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB)Min.	Size (mm)	Structure
RFDIP1608070GM1T76	698~960	50	0.8(typ.0.45)	25(1710~2700MHz)	10	1.60x0.80x0.60	D-2
	1710~2700		0.7(typ.0.50)	20(698~960MHz) 20(5150~5850MHz)			
RFDIP2012090G0T	824~960	50	0.6(25°C) 0.65(-40~+85°C)	15(1710~2170MHz)	10	2.00x1.25x0.90	A-3
	1710~2170		0.6(25°C) 0.65(-40~+85°C)	20(824~960MHz)			
RFDIP2012090G3T	824~960	50	0.6(25°C) 0.65(-40~+85°C)	15(1710~2170MHz)	10	2.00x1.25x0.90	A-4
	1710~2170		0.6(25°C) 0.65(-40~+85°C)	20(824~960MHz)			
RFDIP2012070G5T	570~960	50	0.75	20(1427~2700MHz)	10	2.00x1.25x0.70	C-1
	1427~2700		0.85	20(570~960MHz)			
RFDIP2012090G77N2T	698~960	50	0.65	15(1554~1580MHz) 20(1710~2700MHz)	10	2.00x1.25x0.90	A-4
	1710~2700		0.65	20(824~960MHz)			
RFDIP2012090GM1T58	698~960	50	0.4(25°C) 0.45(-40~+85°C)	13(1710~2690MHz)	10	2.00x1.25x0.90	C-1
	1710~2690		0.55(25°C) 0.65(-40~+85°C)	19(698~960MHz)			
RFDIP2520100G2T	698~960	50	0.35(25°C) 0.45(-40~+85°C)	20(1710~2690MHz)	10	2.50x2.00x1.00	F
	1710~2690		0.55(25°C) 0.65(-40~+85°C)	25(698~960MHz) 5(3420~3820MHz)			

■ TYPICAL ELECTRICAL CHARACTERISTICS

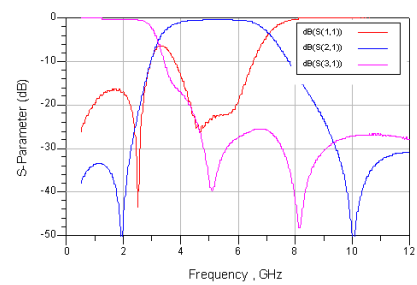


TYPICAL ELECTRICAL CHARACTERISTICS

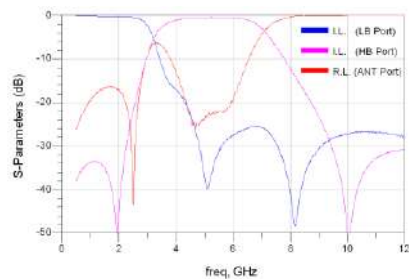
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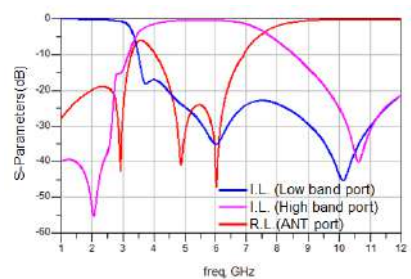
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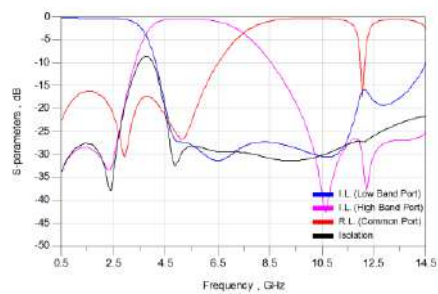
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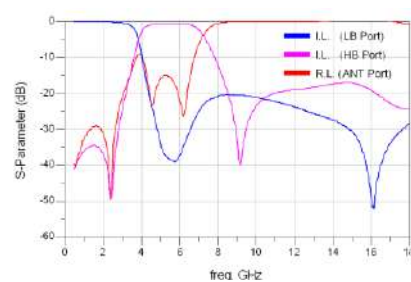
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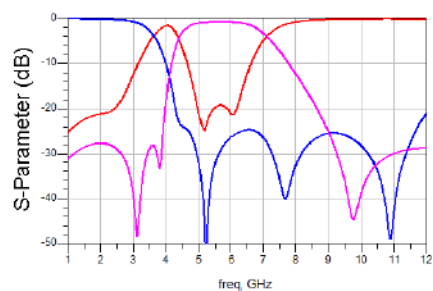
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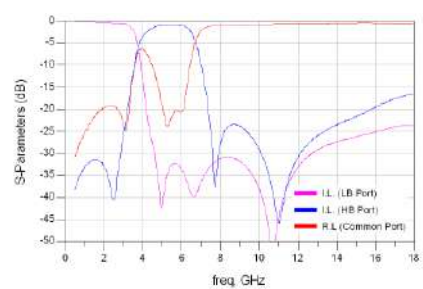
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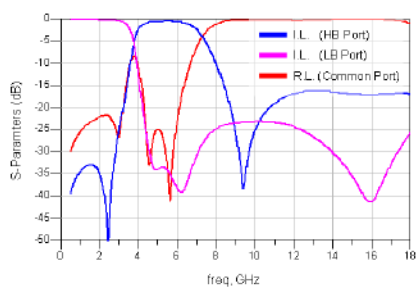
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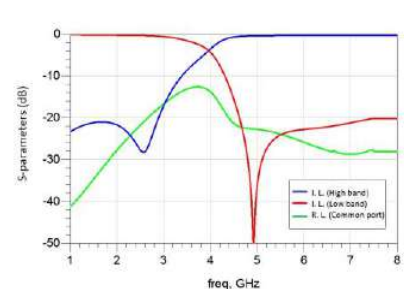
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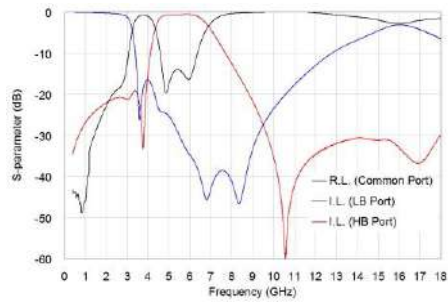


TYPICAL ELECTRICAL CHARACTERISTICS

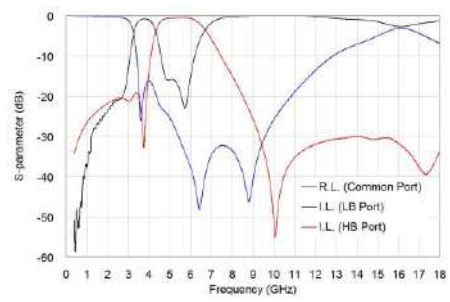
RFDIP1606L22T This plot shows the S-parameters for the RFDIP1606L22T component. The x-axis represents frequency in GHz from 1 to 8, and the y-axis represents S-parameters in dB from 0 to -50. Three curves are shown: I.L. (High band) in blue, I.L. (Low band) in red, and R.L. (Common port) in green. The I.L. (High band) curve starts at 0 dB and drops to -50 dB at 5 GHz. The I.L. (Low band) curve starts at -40 dB and rises to -20 dB at 5 GHz. The R.L. (Common port) curve starts at 0 dB and drops to -50 dB at 5 GHz.	RFDIP1606L23T This plot shows the S-parameters for the RFDIP1606L23T component. The x-axis represents frequency in GHz from 0 to 18, and the y-axis represents S-parameters in dB from 0 to -50. Three curves are shown: I.L. (LB Port) in blue, I.L. (HB Port) in magenta, and R.L. (Common Port) in red. The I.L. (LB Port) curve starts at 0 dB and drops to -50 dB at 10 GHz. The I.L. (HB Port) curve starts at -20 dB and rises to -20 dB at 10 GHz. The R.L. (Common Port) curve starts at 0 dB and drops to -50 dB at 10 GHz.
RFDIP1606L24T This plot shows the S-parameters for the RFDIP1606L24T component. The x-axis represents frequency in GHz from 0 to 18, and the y-axis represents S-parameters in dB from 0 to -50. Three curves are shown: I.L. (LB Port) in blue, I.L. (HB Port) in magenta, and R.L. (Common Port) in red. The I.L. (LB Port) curve starts at 0 dB and drops to -50 dB at 10 GHz. The I.L. (HB Port) curve starts at -20 dB and rises to -20 dB at 10 GHz. The R.L. (Common Port) curve starts at 0 dB and drops to -50 dB at 10 GHz.	RFDIP1606L29T This plot shows the S-parameters for the RFDIP1606L29T component. The x-axis represents frequency in GHz from 0 to 12, and the y-axis represents S-parameters in dB from 0 to -50. Three curves are shown: R.L. (Common Port) in red, I.L. (LB Port) in blue, and I.L. (HB Port) in magenta. The R.L. (Common Port) curve starts at 0 dB and drops to -50 dB at 10 GHz. The I.L. (LB Port) curve starts at 0 dB and drops to -50 dB at 10 GHz. The I.L. (HB Port) curve starts at -20 dB and rises to -20 dB at 10 GHz.
RFDIP1606L42T This plot shows the S-parameters for the RFDIP1606L42T component. The x-axis represents frequency in GHz from 0 to 18, and the y-axis represents S-parameters in dB from 0 to -60. Three curves are shown: I.L. (LB Port) in blue, I.L. (HB Port) in magenta, and R.L. (Common Port) in red. The I.L. (LB Port) curve starts at 0 dB and drops to -60 dB at 10 GHz. The I.L. (HB Port) curve starts at -20 dB and rises to -20 dB at 10 GHz. The R.L. (Common Port) curve starts at 0 dB and drops to -60 dB at 10 GHz.	RFDIP1606L44T This plot shows the S-parameters for the RFDIP1606L44T component. The x-axis represents frequency in GHz from 0 to 18, and the y-axis represents S-parameters in dB from 0 to -60. Three curves are shown: I.L. (LB Port) in blue, I.L. (HB Port) in magenta, and R.L. (Common Port) in red. The I.L. (LB Port) curve starts at 0 dB and drops to -60 dB at 10 GHz. The I.L. (HB Port) curve starts at -20 dB and rises to -20 dB at 10 GHz. The R.L. (Common Port) curve starts at 0 dB and drops to -60 dB at 10 GHz.
RFDIP1606L51T This plot shows the S-parameters for the RFDIP1606L51T component. The x-axis represents frequency in GHz from 0.5 to 12.0, and the y-axis represents S-Parameters in dB from 0 to -60. Three curves are shown: R.L. (ANT Port) in red, I.L. (High Band) in magenta, and I.L. (Low Band) in blue. The R.L. (ANT Port) curve starts at 0 dB and drops to -60 dB at 10 GHz. The I.L. (High Band) curve starts at -20 dB and rises to -20 dB at 10 GHz. The I.L. (Low Band) curve starts at 0 dB and drops to -60 dB at 10 GHz.	RFDIP1606L52T This plot shows the S-parameters for the RFDIP1606L52T component. The x-axis represents frequency in GHz from 0.5 to 12.0, and the y-axis represents S-Parameters in dB from 0 to -60. Three curves are shown: R.L. (Common Port) in red, I.L. (High Band) in magenta, and I.L. (Low Band) in blue. The R.L. (Common Port) curve starts at 0 dB and drops to -60 dB at 10 GHz. The I.L. (High Band) curve starts at -20 dB and rises to -20 dB at 10 GHz. The I.L. (Low Band) curve starts at 0 dB and drops to -60 dB at 10 GHz.
RFDIP1606L53T This plot shows the S-parameters for the RFDIP1606L53T component. The x-axis represents frequency in GHz from 0 to 12, and the y-axis represents S-Parameters in dB from 0 to -50. Three curves are shown: I.L. (HB Port) in blue, I.L. (LB Port) in magenta, and R.L. (Common Port) in red. The I.L. (HB Port) curve starts at 0 dB and drops to -50 dB at 10 GHz. The I.L. (LB Port) curve starts at -20 dB and rises to -20 dB at 10 GHz. The R.L. (Common Port) curve starts at 0 dB and drops to -50 dB at 10 GHz.	RFDIP1606L54T This plot shows the S-parameters for the RFDIP1606L54T component. The x-axis represents frequency in GHz from 0 to 12, and the y-axis represents S-Parameters in dB from 0 to -50. Three curves are shown: I.L. (HB Port) in blue, I.L. (LB Port) in magenta, and R.L. (ANT Port) in red. The I.L. (HB Port) curve starts at 0 dB and drops to -50 dB at 10 GHz. The I.L. (LB Port) curve starts at -20 dB and rises to -20 dB at 10 GHz. The R.L. (ANT Port) curve starts at 0 dB and drops to -50 dB at 10 GHz.

TYPICAL ELECTRICAL CHARACTERISTICS

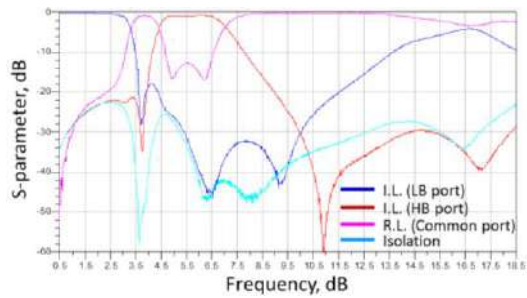
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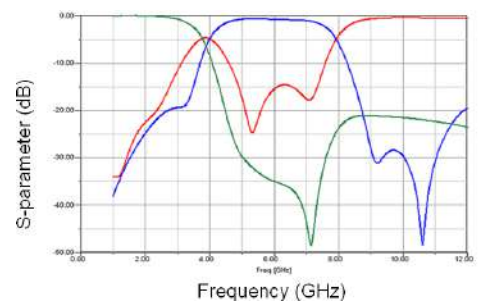
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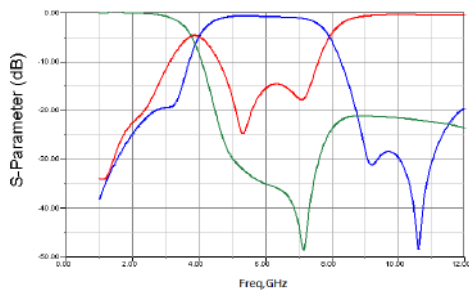
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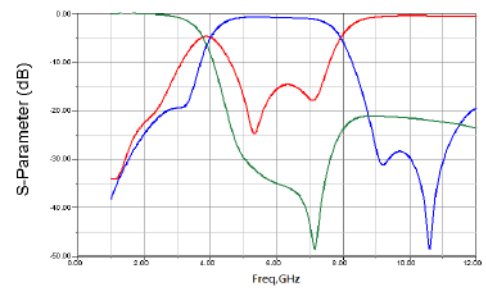
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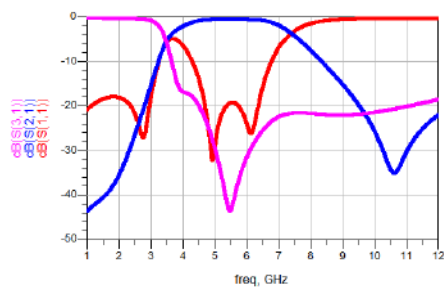
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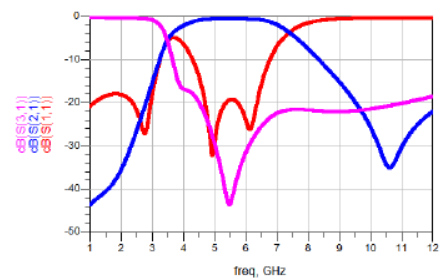
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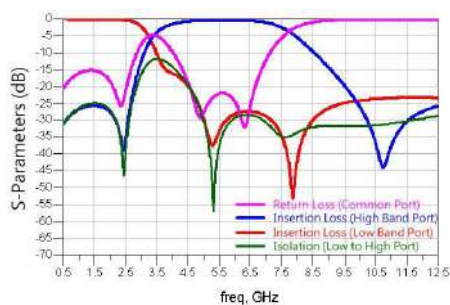
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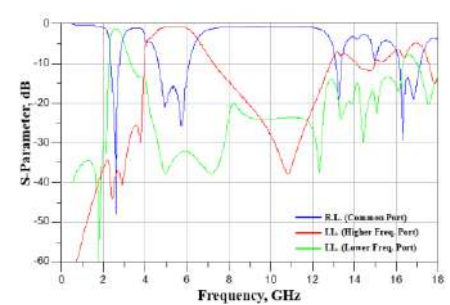
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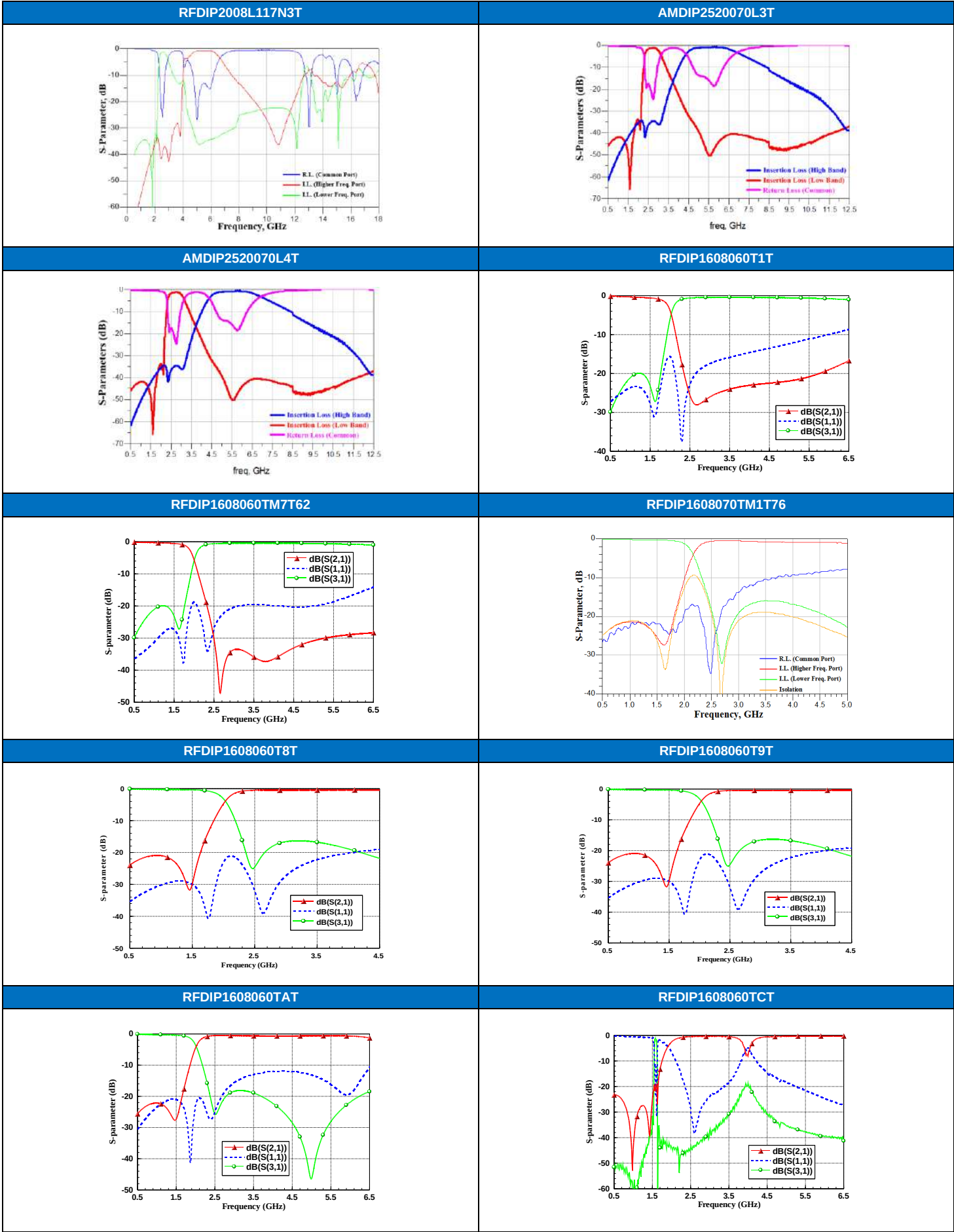
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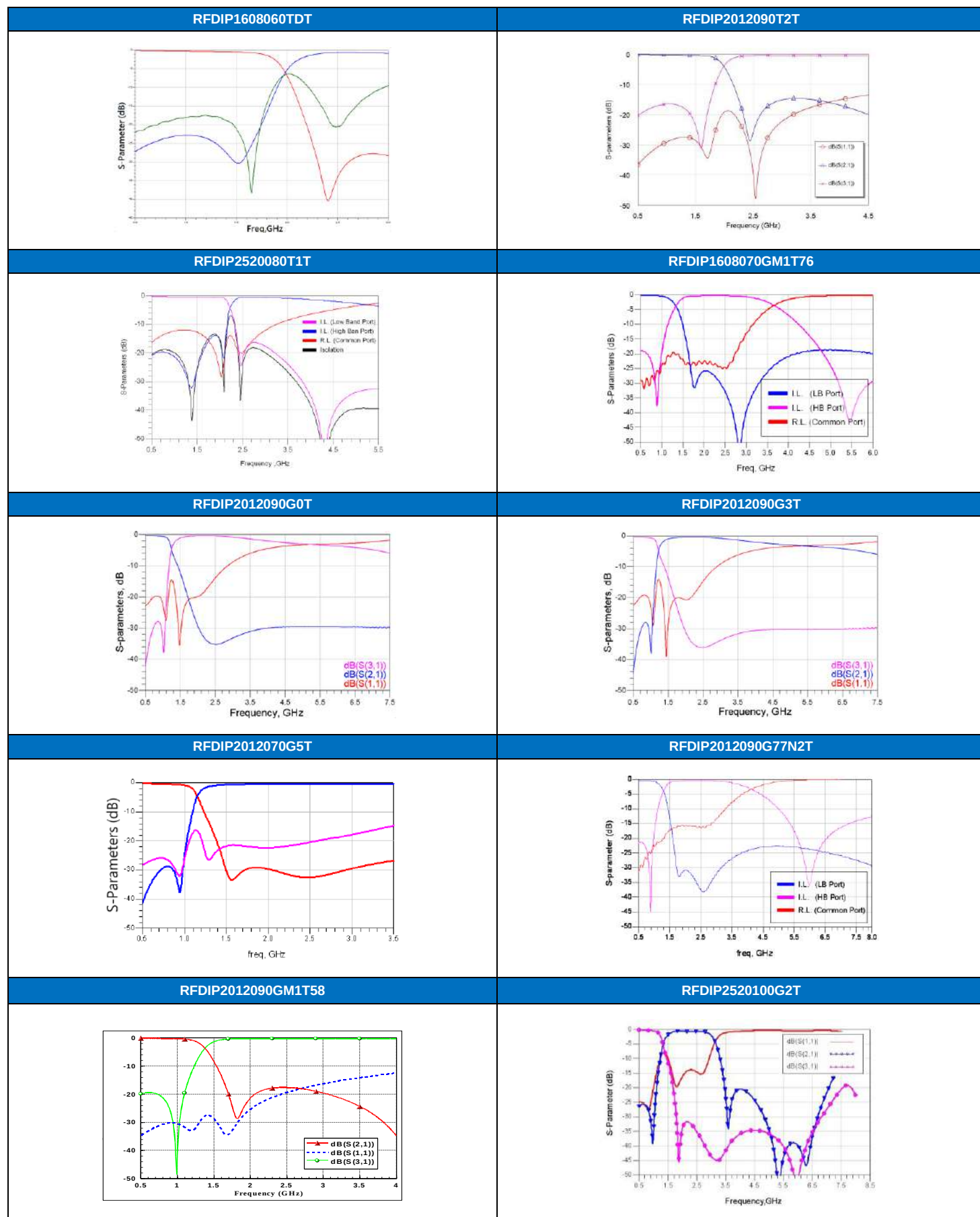
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TYPICAL ELECTRICAL CHARACTERISTICS



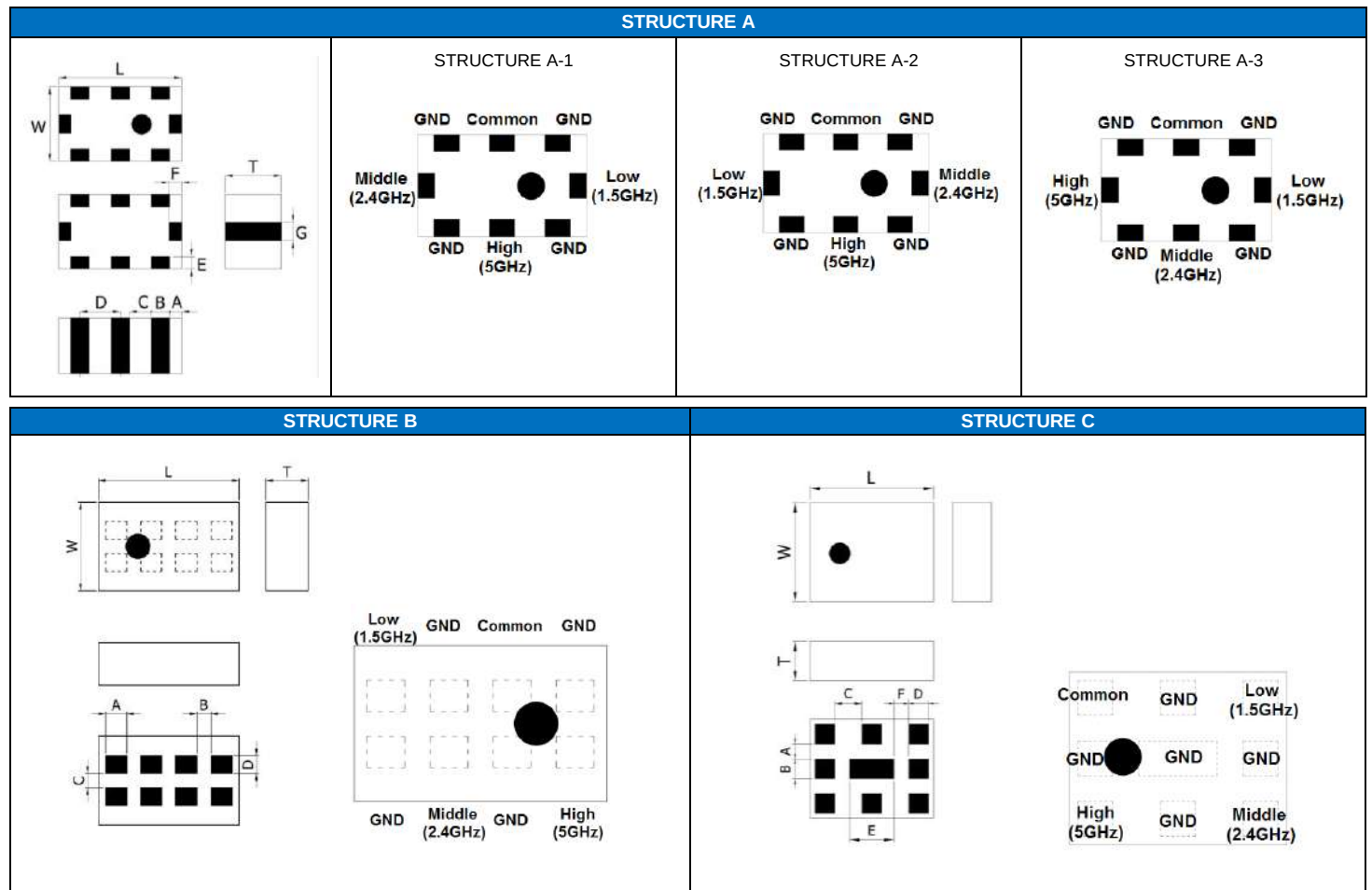
TYPICAL ELECTRICAL CHARACTERISTICS



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

TRIPLEXER

■ STRUCTURE AND PIN ASSOCIATED



■ STRUCTURE AND DIMENSION

Unit: mm

Structure\ Dimension	L	W	T	A	B	C	D	E	F	G
A	2.00±0.15	1.25±0.15	0.90±0.10	0.20±0.20	0.30±0.20	0.35±0.20	0.65±0.20	0.20±0.20	0.20±0.20	0.30±0.20
B	2.00±0.15	1.25±0.15	0.75 max.	0.30±0.10	0.20±0.10	0.20±0.10	0.25±0.10	-	-	-
C	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	0.30±0.10

■ ELECTRICAL SPECIFICATION

GPS 1.575GHz/ISM 2.4GHz/5GHz band RF application

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB) Min	Isolation	Size (mm)	Structure
RFTIP2012090T18Q1C	1560~1606	50	0.6	15(2400~2500 MHz) 15(4800~6000 MHz)	10	-	2.00x1.25x0.90	A-1
	2400~2500	50	0.7	10(860~960 MHz) 15(1545~1605 MHz) 10(3600~3750 MHz) 20(4800~6000 MHz) 10(7200~7500 MHz) 10(9600~10000 MHz)	10	20(1559~1606 MHz) 25(4800~5000 MHz)		
	4900~5950	50	0.8	25(860~960 MHz) 25(1545~1605 MHz) 25(1710~1990 MHz) 30(2170 MHz) 10(8100~8800 MHz) 15(8820~9800 MHz) 25(9800~11900 MHz)	10	20(1559~1606 MHz)		

■ ELECTRICAL SPECIFICATION

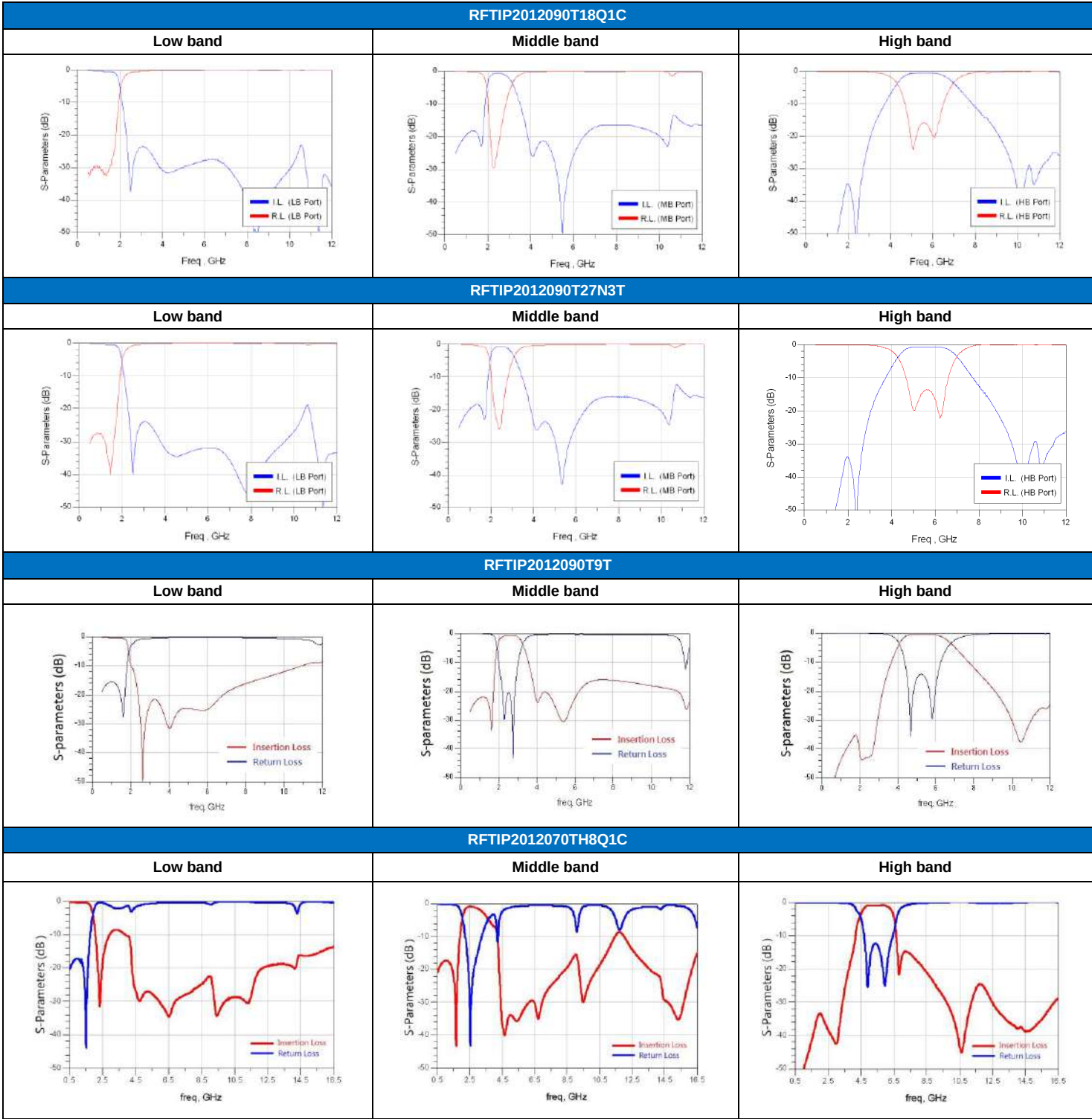
GPS 1.575GHz/ ISM 2.4GHz/5GHz band RF application

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB) Min	Isolation	Size (mm)	Structure
RFTIP2012090T27N3T	1560~1606	50	0.65(25°C) 0.70(-40~+85°C)	20(2400~2500 MHz) 20(4900~6000 MHz)	10	-	2.00x1.25x0.90	A-2
	2400~2500	50	0.70(25°C) 0.85(-40~+85°C)	10(860~960 MHz) 15(1545~1610 MHz) 10(3600~3750 MHz) 20(4800~6000 MHz) 10(7200~7500 MHz) 10(9600~10000 MHz)	10	20(1559~1606 MHz) 20(4800~5000 MHz)		
	4900~5950	50	0.80(25°C) 0.95(-40~+85°C)	25(1559~1606 MHz) 35(2400~2500 MHz) 12(3400~3600 MHz) 12(3600~3900 MHz) 10(6900~7200 MHz) 10(7200~7800 MHz) 25(10300~11700 MHz) 15(15300~16200 MHz)	10	20(1559~1606 MHz)		
RFTIP2012090T9T	1560~1606	50	0.7	15(2400~2500 MHz) 15(4800~6000 MHz)	10	-	2.00x1.25x0.90	A-3
	2400~2500	50	0.8	10(860~960 MHz) 15(1545~1605 MHz) 8(3600~3750 MHz) 20(4800~5000 MHz) 10(7200~7500 MHz) 10(9600~10000 MHz)	10			
	4900~5950	50	0.9	25(860~960 MHz) 25(1545~1605 MHz) 25(1710~1990 MHz) 30(2170 MHz) 38(2400~2500 MHz) 8(8100~8800 MHz) 15(8820~9800 MHz) 22(9800~11900 MHz)	10			
RFTIP2012070TH8Q1C	1559~1606	50	0.6	15(2400~2500 MHz) 15(4900~5950 MHz)	10	10(2400~2500 MHz) 10(5150~5950 MHz)	2.00x1.25x0.75	B
	2400~2500	50	1.0	20(1559~1606 MHz) 35(4800~5000 MHz) 15(7200~7500 MHz)	10	25(1559~1606 MHz) 30(5150~5950 MHz)		
	4900~5150 5100~5950	50	1.4 1.2	25(1559~1606 MHz) 35(2400~2500 MHz) 12(3400~3600 MHz) 12(3600~3900 MHz) 10(6900~7200 MHz) 10(7200~7800 MHz) 25(10300~11700 MHz) 15(15300~16200 MHz)	10	25(1559~1606 MHz) 30(2400~2500 MHz)		
RFTIP2109ATM0T63	1560~1606	50	0.60(25°C) 0.80(-40~+85°C)	15(2400~2500 MHz) 15(4800~6000 MHz)	10	-	2.00x1.25x0.90	A-1
	2400~2500	50	0.70(25°C) 0.90(-40~+85°C)	10(860~960 MHz) 15(1545~1605 MHz) 10(3600~3750 MHz) 20(4800~5000 MHz) 10(7200~7500 MHz) 10(9600~10000 MHz)	10	20(1559~1606 MHz) 25(4800~5000 MHz)		
	4900~5950	50	0.80(25°C) 1.00(-40~+85°C)	25(860~960 MHz) 25(1545~1605 MHz) 25(1710~1990 MHz) 30(2170 MHz) 10(8100~8800 MHz) 15(8820~9800 MHz) 25(9800~11900 MHz)	10	25(1559~1606 MHz)		
RFTIP2109BTM5T62	1560~1606	50	0.60(25°C) 0.80(-40~+85°C)	15(2400~2500 MHz) 15(4800~6000 MHz)	10	-	2.00x1.25x0.90	A-2
	2400~2500	50	0.70(25°C) 0.90(-40~+85°C)	10(860~960 MHz) 15(1545~1605 MHz) 10(3600~3750 MHz) 20(4800~5000 MHz) 10(7200~7500 MHz) 10(9600~10000 MHz)	10	20(1559~1606 MHz) 25(4800~5000 MHz)		
	4900~5950	50	0.80(25°C) 1.00(-40~+85°C)	25(860~960 MHz) 25(1545~1605 MHz) 25(1710~1990 MHz) 30(2170 MHz) 10(8100~8800 MHz) 15(8820~9800 MHz) 25(9800~11900 MHz)	10	25(1559~1606 MHz)		

GPS 1.575GHz/ ISM 2.4GHz/5GHz band RF application

Part Number	Frequency (MHz)	Impedance (Ω)	Insertion Loss (dB)	Attenuation (dB)	Return Loss (dB)Min	Isolation	Size (mm)	Structure
RFTIP2520090T3T	698~960	50	0.70(25°C) 0.80(-40~+85°C)	20(1710~2200 MHz) 20(2500~2690 MHz)	10	20(1710~2200 MHz) 20(2500~2690 MHz)	2.50x2.00x0.90	C
	1710~2200	50	1.40(25°C) 1.60(-40~+85°C)	20(698~960 MHz) 15(2500~2690 MHz)	10	18(698~960 MHz) 18(2500~2690 MHz)		
	2500~2690	50	1.80(25°C) 2.00(-40~+85°C)	15(698~960 MHz) 15(1710~2200 MHz)	10	20(698~960 MHz) 20(1710~2200 MHz)		

TYPICAL ELECTRICAL CHARACTERISTICS



RFTIP2012090T27N3T

Low band

Middle band

High band

RFTIP2012090T9T

Low band

Middle band

High band

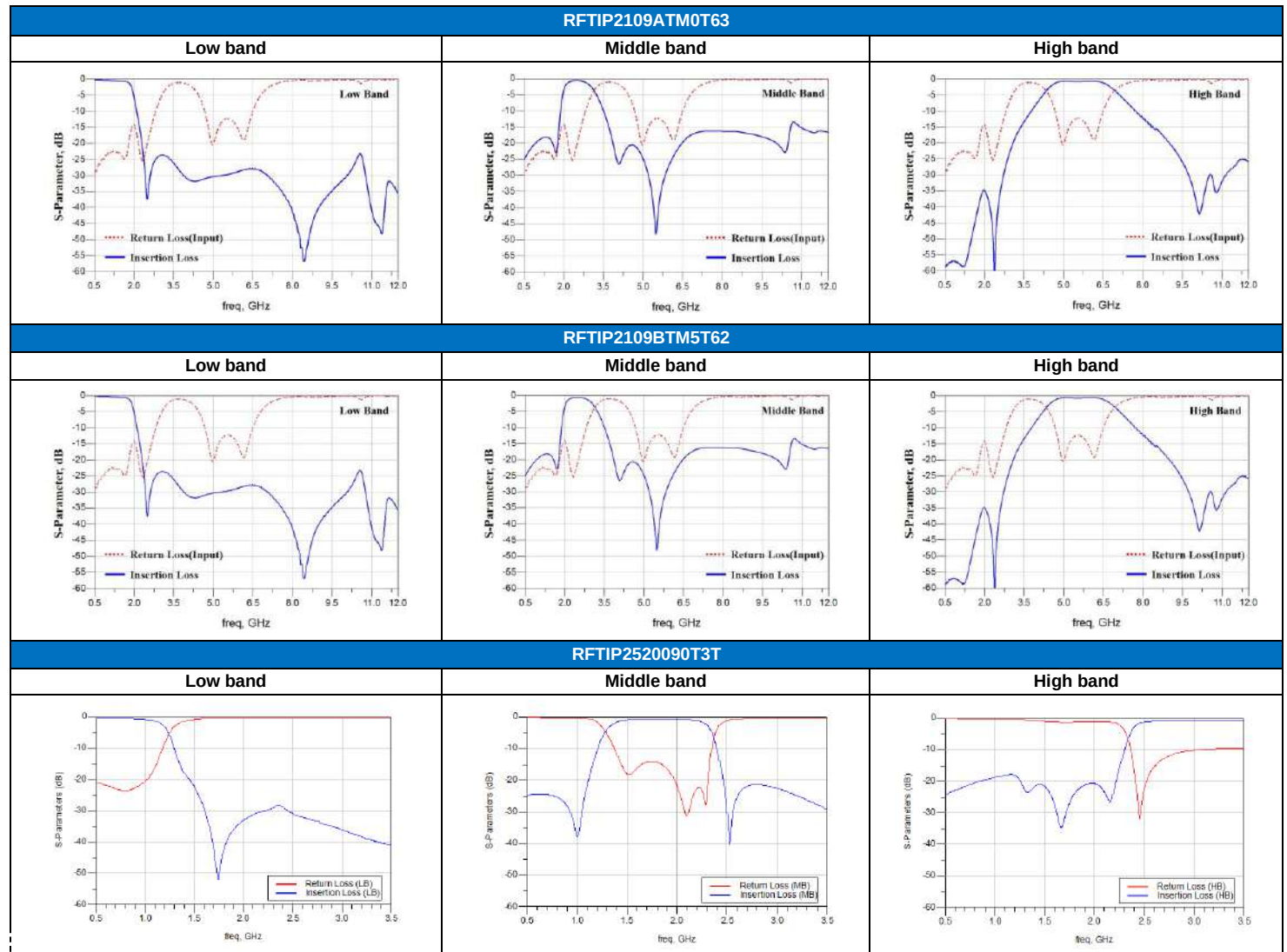
RFTIP2012070TH8Q1C

Low band

Middle band

High band

TYPICAL ELECTRICAL CHARACTERISTICS



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