

DIPLEXER

■ STRUCTURE AND PIN ASSOCIATED

| STRUCTURE A | | | | |
|--|--|--|--|--|
| | STRUCTURE A-1 GND Common GND High Band GND Low Band | STRUCTURE A-2 GND Common GND Low Band GND High Band | STRUCTURE A-3 Low Band GND High Band GND Common GND | STRUCTURE A-4 High Band GND Low Band GND Common GND |
| | STRUCTURE B | STRUCTURE C | STRUCTURE D | STRUCTURE E |
| | | | | |
| | STRUCTURE B-1 High Band Common Low Band | STRUCTURE C-1 Low Band GND High Band GND Common GND | STRUCTURE D-1 Low Band GND High Band GND Common GND | STRUCTURE E-1 Common GND Low Band GND GND |
| STRUCTURE B-2 Low Band Common High Band | STRUCTURE C-2 GND Common GND High Band GND Low Band | STRUCTURE D-1 High Band GND Low Band GND Common GND | STRUCTURE E-2 GND GND High Band Common GND | |
| STRUCTURE F | | STRUCTURE G | | |
| | | | | |
| STRUCTURE F-1 Low Band GND High Band GND GND Common | | Low Band GND High Band GND ANT GND | | |

■ 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) | | | | |

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) | | | | |

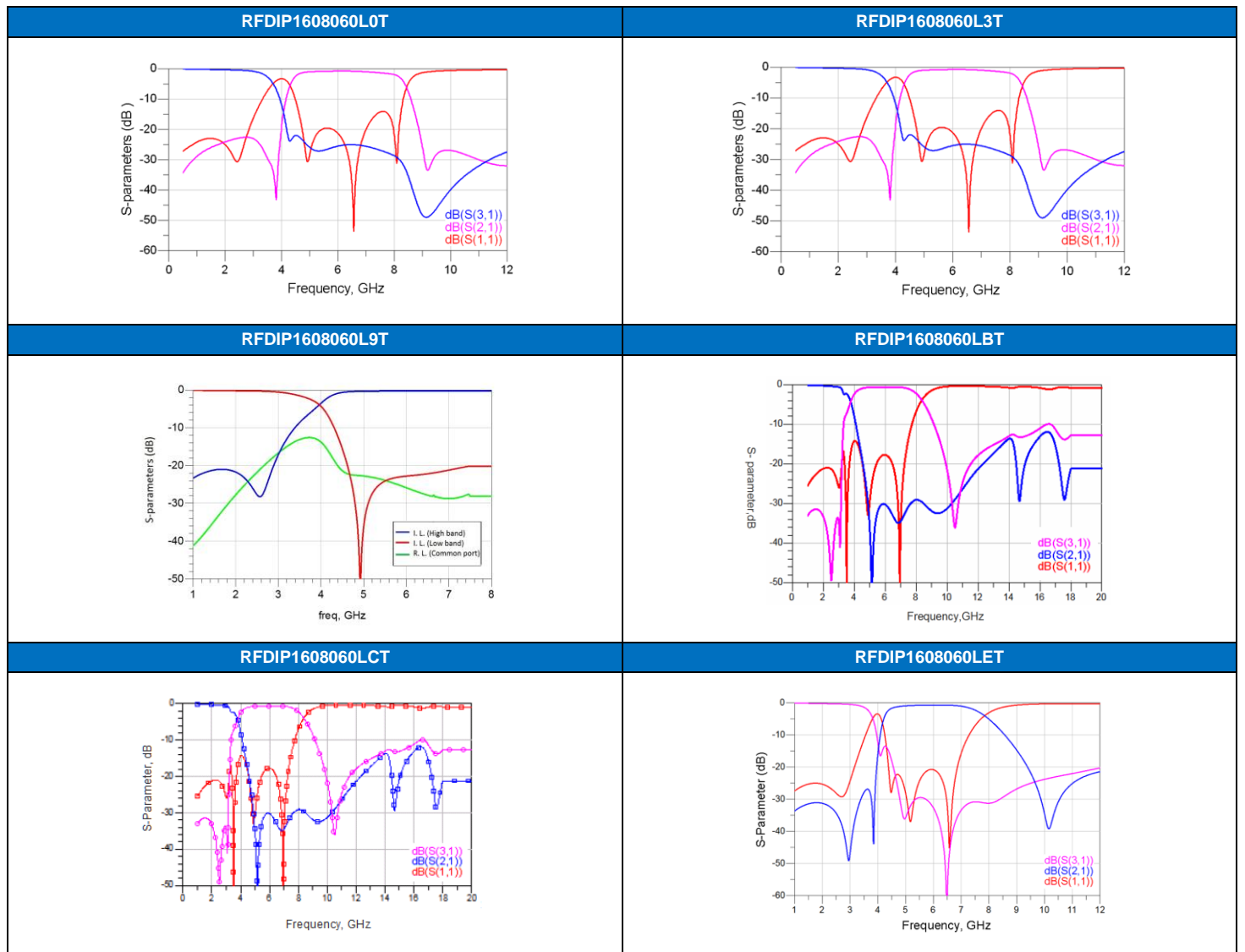
GPS 1.575GHz/ISM 2.4GHz/5GHz Band Application

| 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) | | | |
| | | | | | | | |

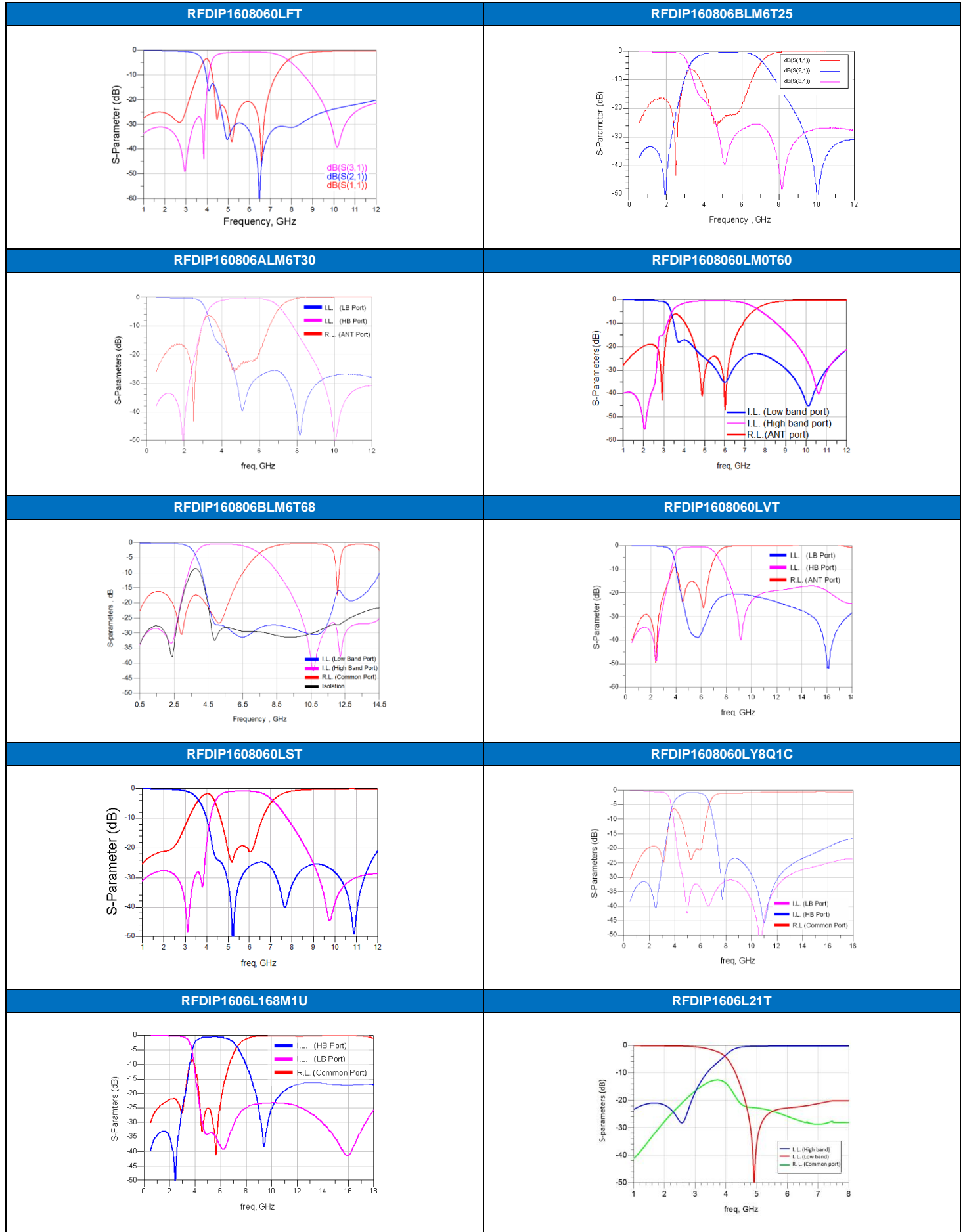
892 MHz & 1.94GHz Band Working Frequency

| 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

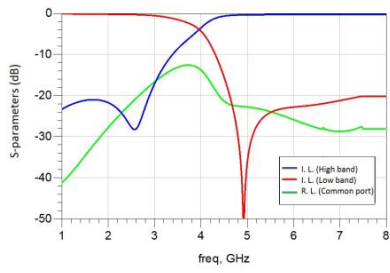


TYPICAL ELECTRICAL CHARACTERISTICS

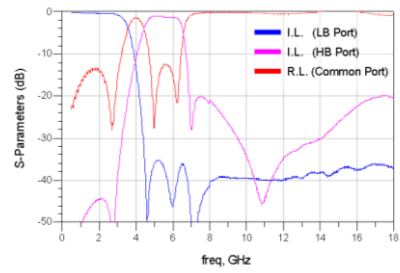


TYPICAL ELECTRICAL CHARACTERISTICS

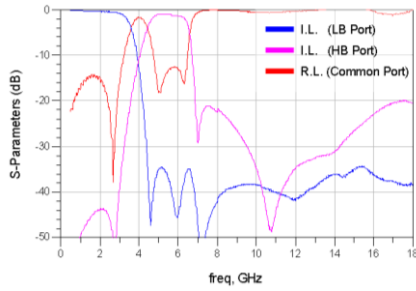
RFDIP1606L22T



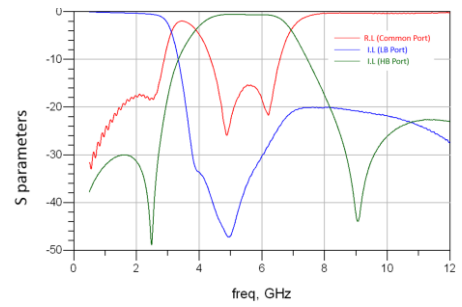
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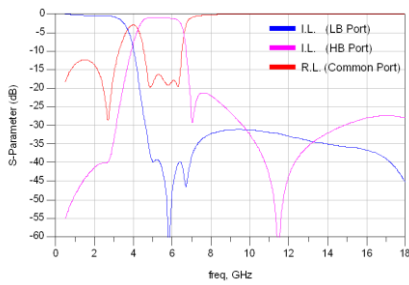
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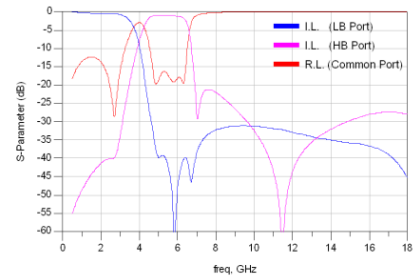
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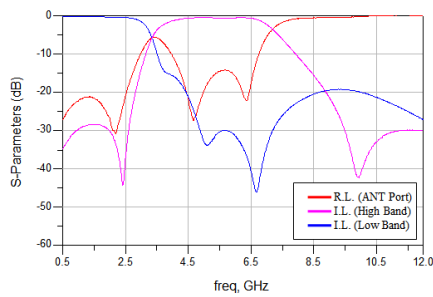
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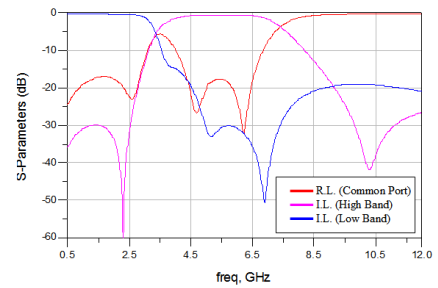
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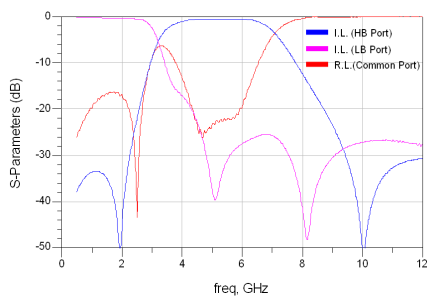
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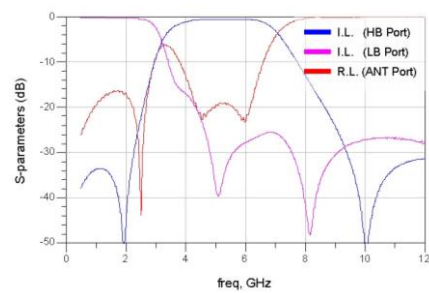
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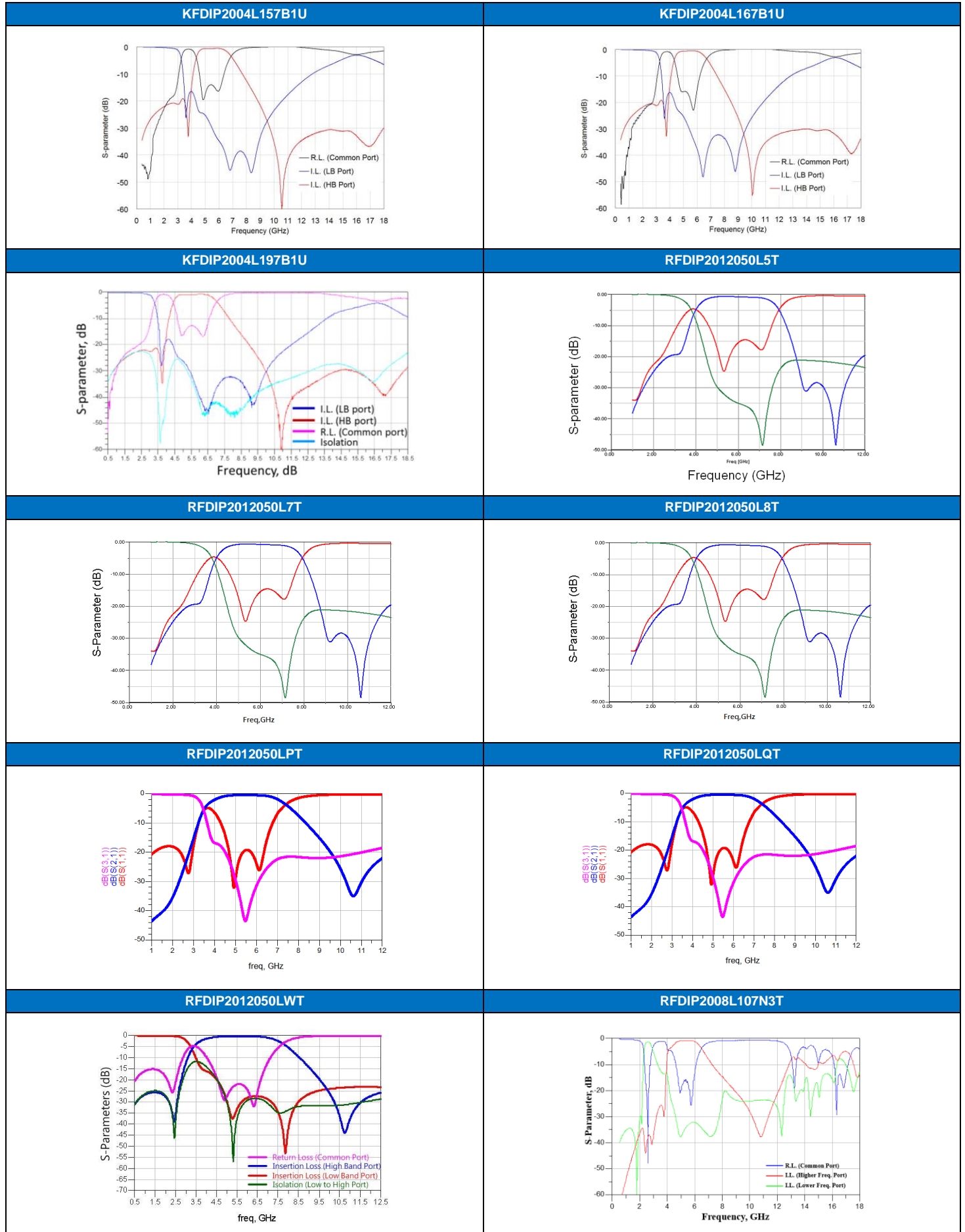
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RFDIP1606L54T

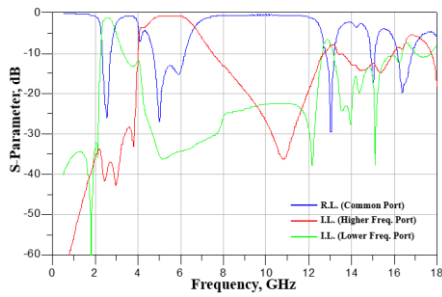


TYPICAL ELECTRICAL CHARACTERISTICS

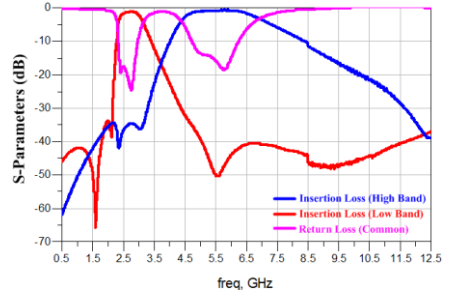


TYPICAL ELECTRICAL CHARACTERISTICS

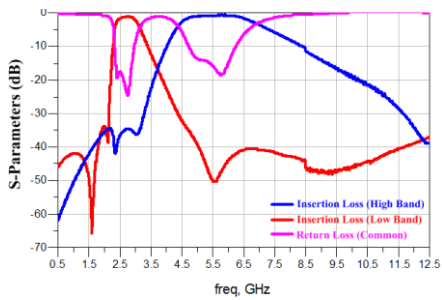
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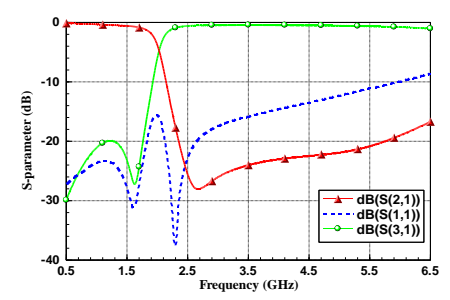
AMDIP2520070L3T



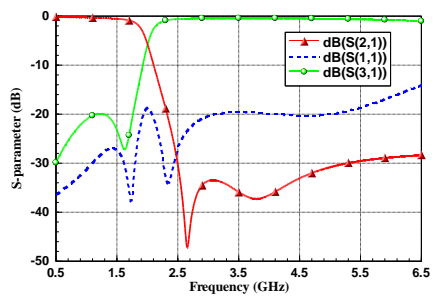
AMDIP2520070L4T



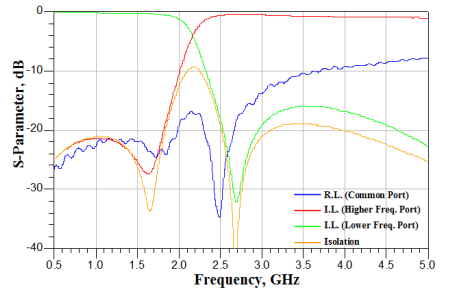
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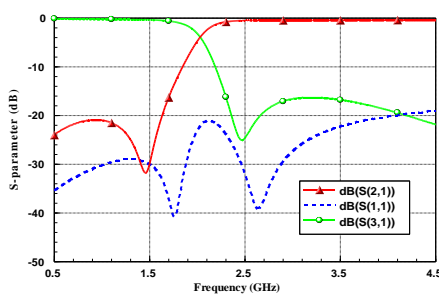
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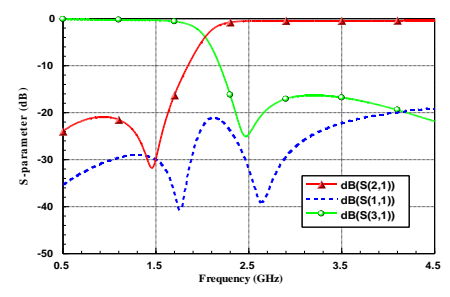
RFDIP1608070TM1T76



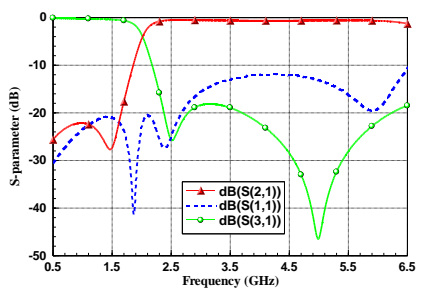
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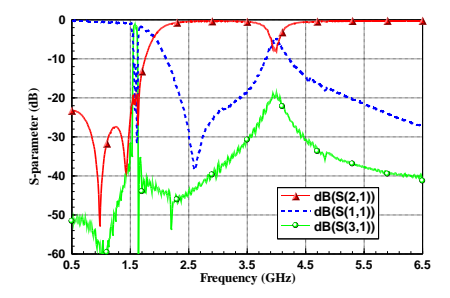
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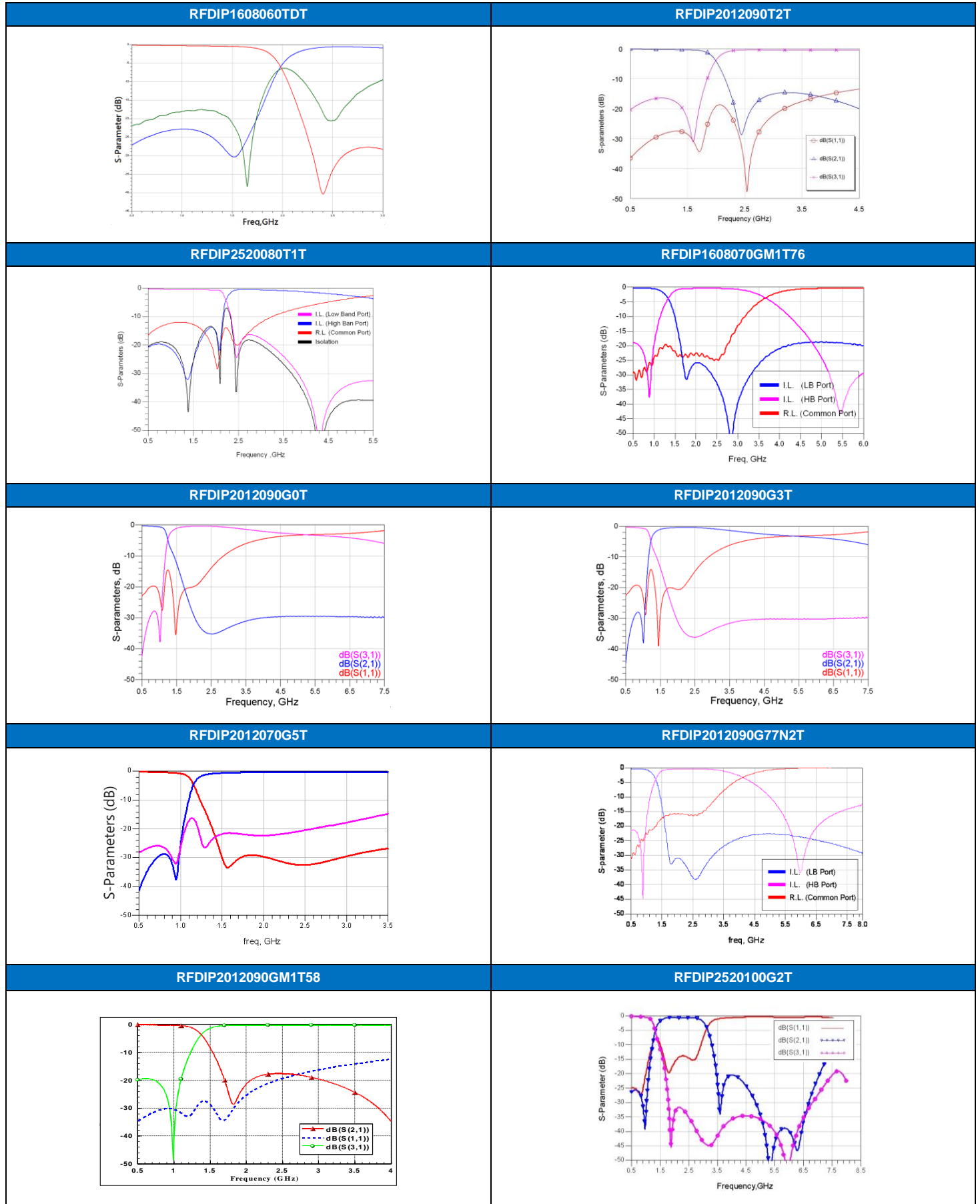
RFDIP1608060TAT



RFDIP1608060TCT



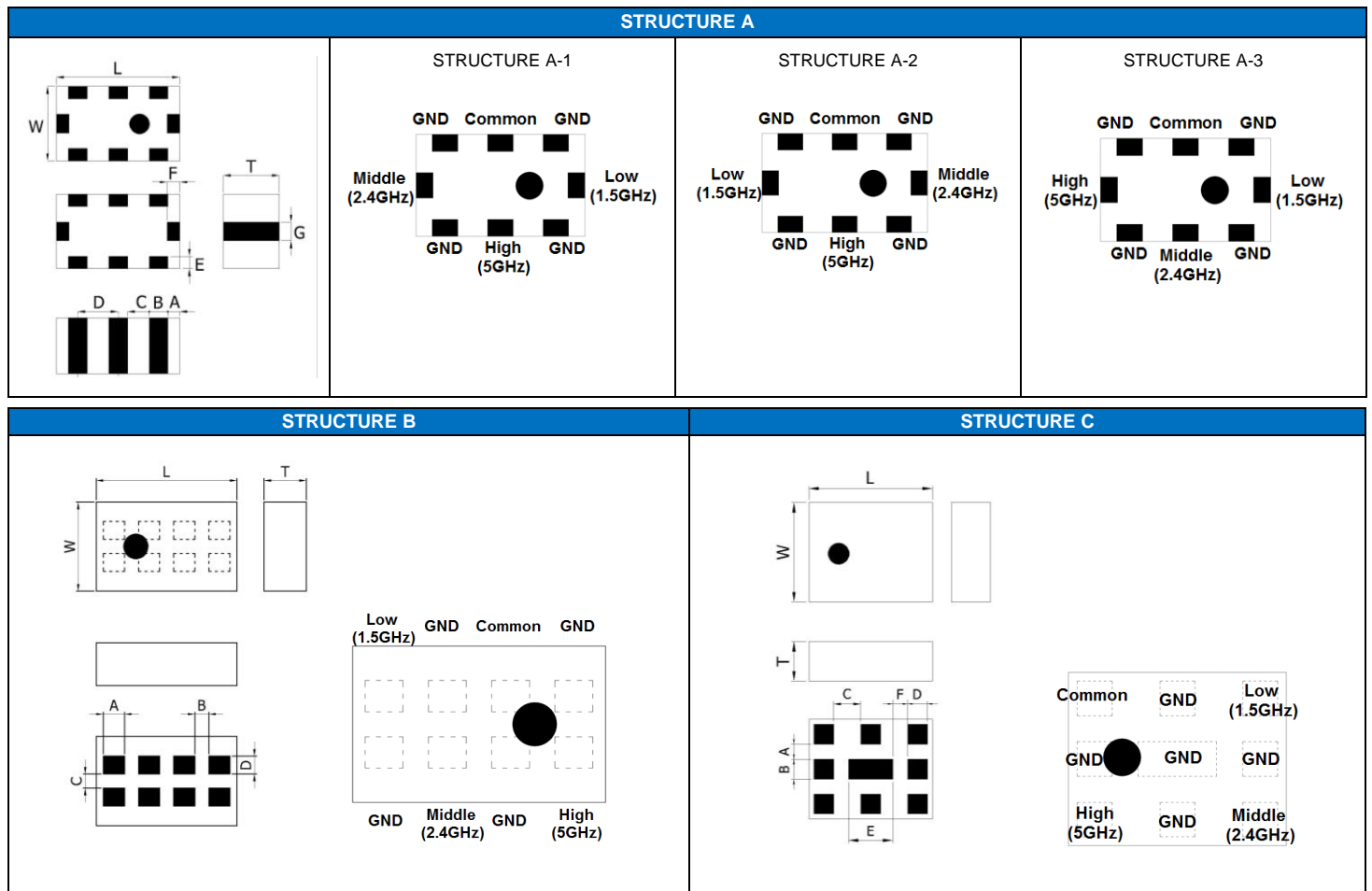
TYPICAL ELECTRICAL CHARACTERISTICS



- 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

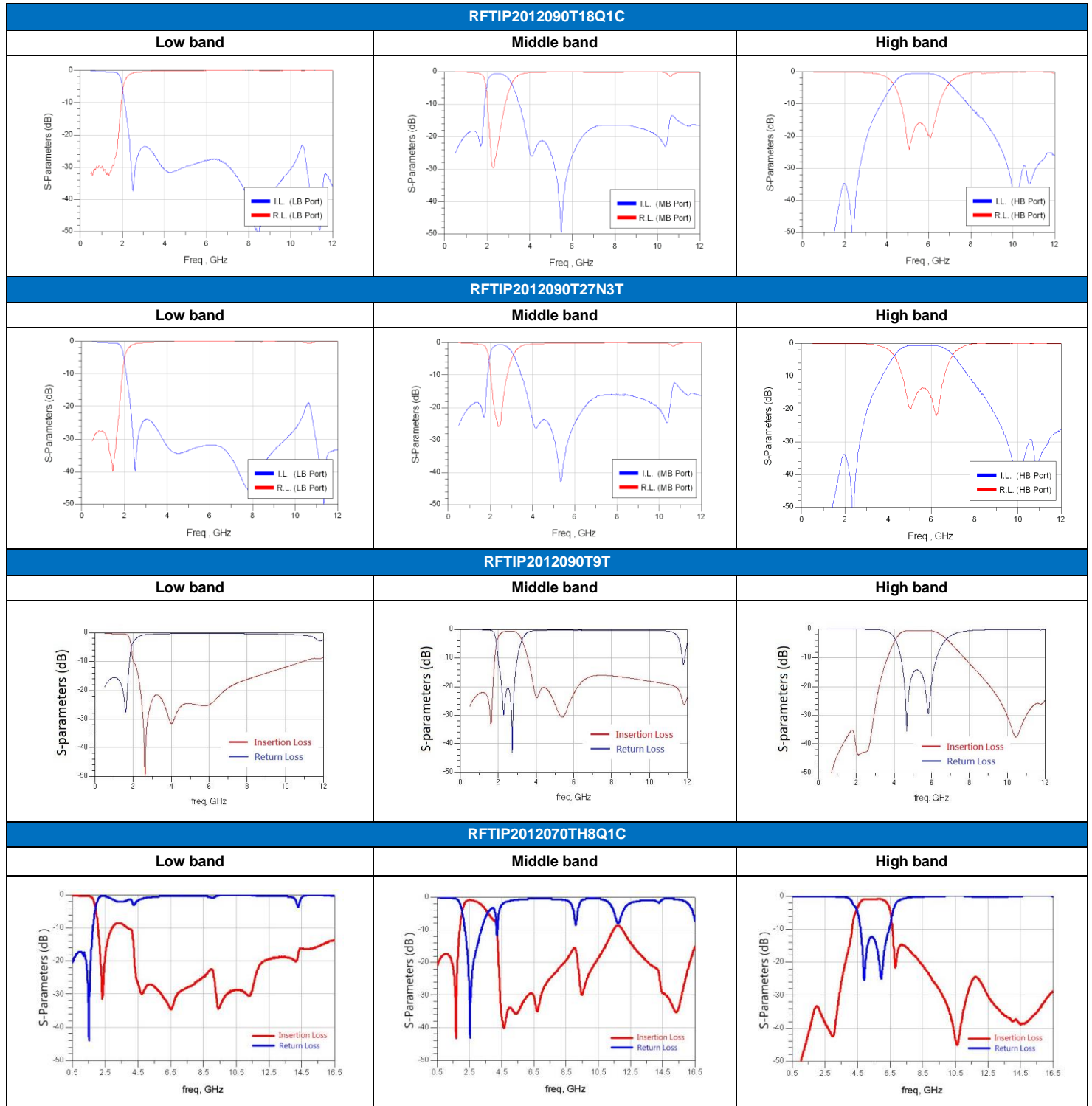
GPS 1.575GHz/ ISM 2.4GHz/5GHz band RF application

| 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) | | |

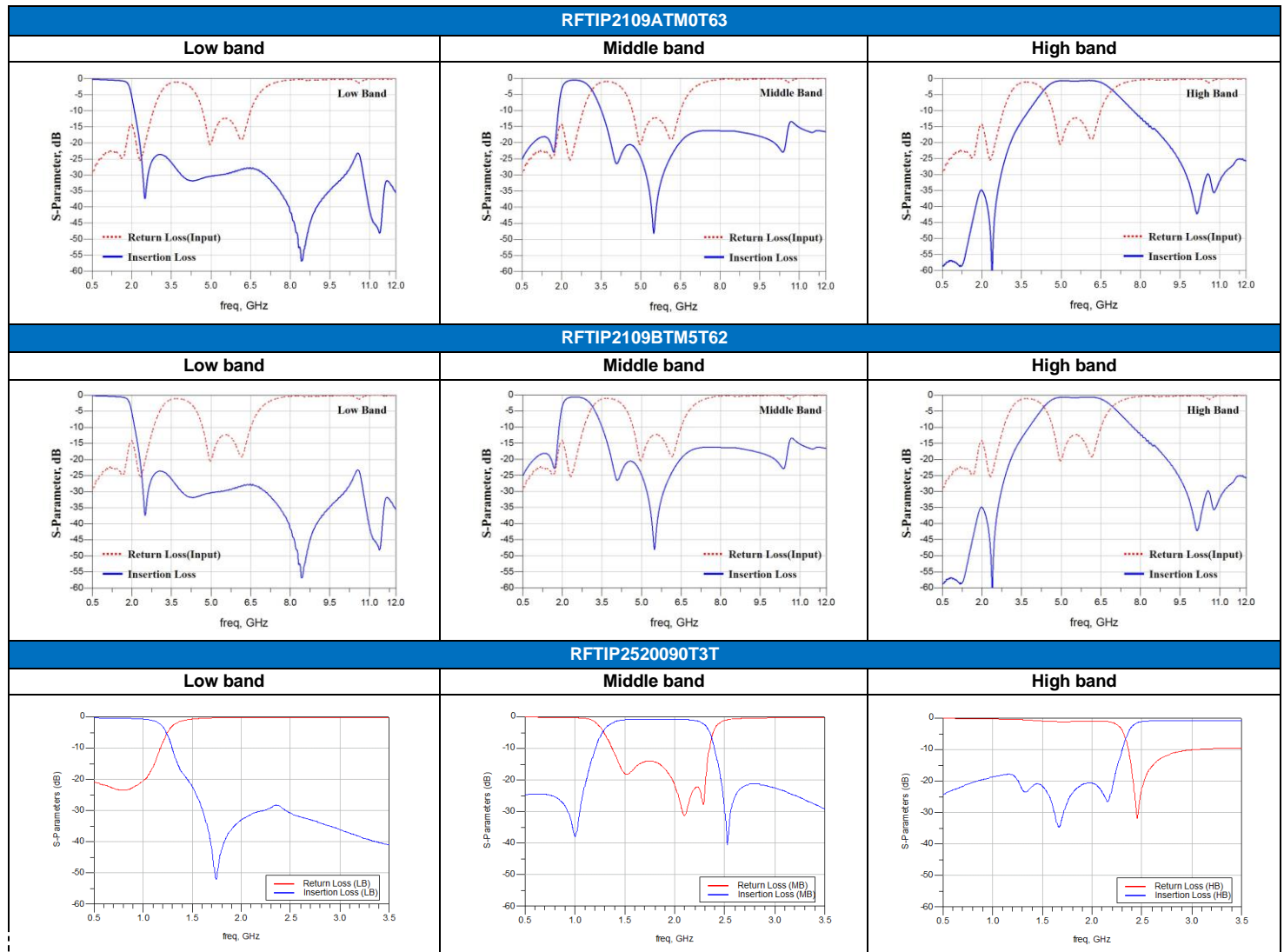
GPS 1.575GHz/ ISM 2.4GHz/5GHz band RF application

| 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



TYPICAL ELECTRICAL CHARACTERISTICS



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

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