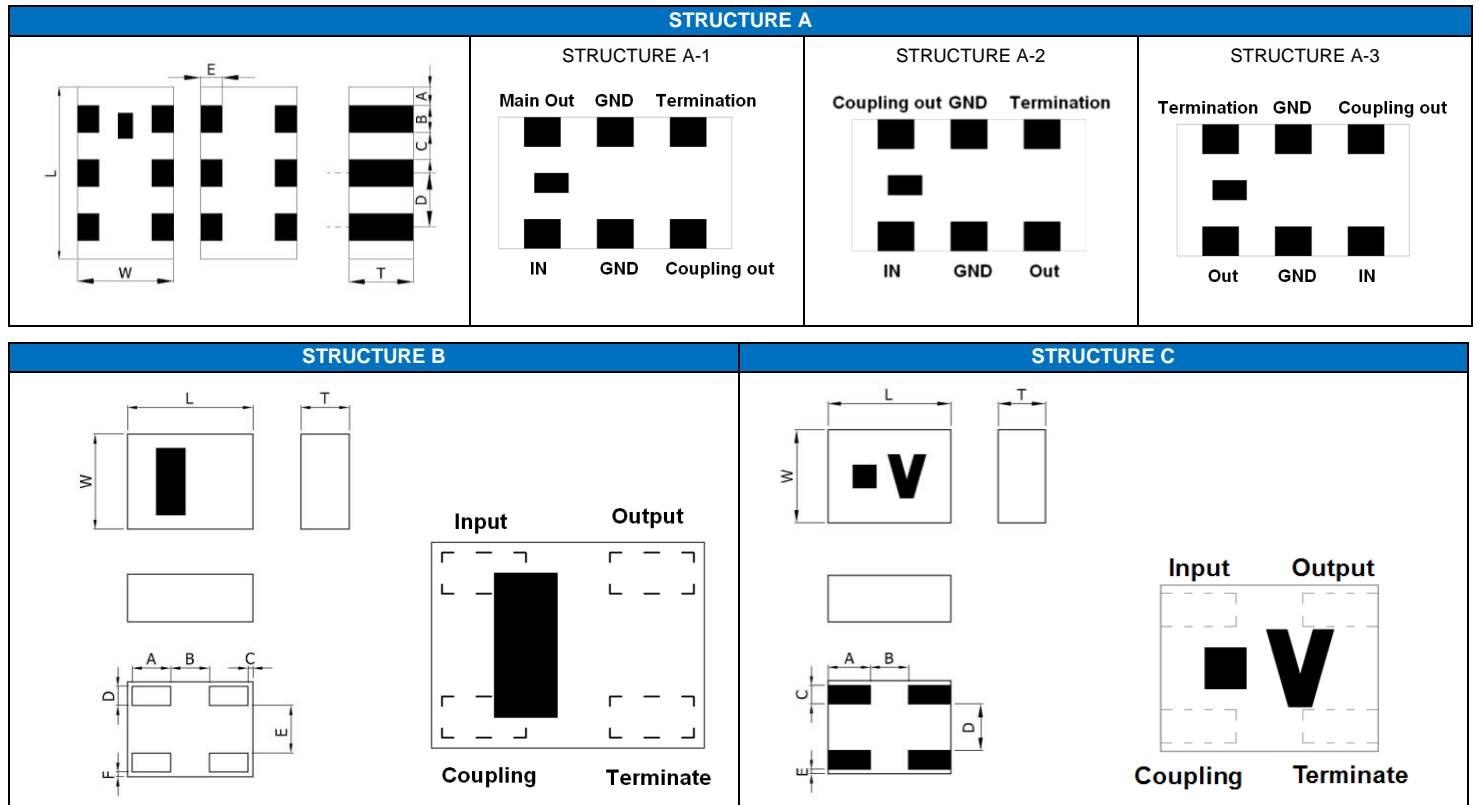


COUPLER

■ STRUCTURE AND PIN ASSOCIATED



■ STRUCTURE AND DIMENSION

Unit: mm

Structure/ Dimension	L	W	T	A	B	C	D	E	F
A	1.60±0.10	0.80±0.10	0.60±0.10	0.10±0.10	0.30±0.10	0.25±0.10	0.55±0.10	0.20±0.10	-
	1.60±0.10	0.80±0.10	0.60±0.10	0.175±0.10	0.25±0.10	0.25±0.10	0.50±0.10	0.20±0.10	-
B	0.65±0.04	0.50±0.04	0.35±0.10	0.20±0.04	0.20±0.04	0.025±0.025	0.10±0.04	0.25±0.04	0.025±0.025
C	0.65±0.10	0.50±0.10	0.35±0.05	0.225±0.10	0.20±0.05	0.10±0.05	0.25±0.05	0.025±0.025	-

■ ELECTRICAL SPECIFICATION

ISM Band 2.4GHz Application

Part Number	Frequency (MHz)	Insertion Loss (dB)	Coupling in BW	Directivity in BW dB (min.)	Isolation in BW dB (min.)	VSWR	Dimension (mm ³)	Structure
RFCPL1806B2450T	2400~2500	1.83	6.5 ± 1.0 dB	-	21.0 dB min	1.5	1.60x1.80x0.60	A-1
RFCPL1810B2450T	2400~2500	0.74	10.0 ± 1.0 dB	-	22.0 dB min	1.8	1.60x1.80x0.60	A-1
TFCPL0605B24508Q1C	2400~2500	0.32(25°C) 0.40(-40~+85°C)	14.6 ± 1.0 dB	20.0 dB min.	-	1.3	0.60x0.50x0.35	B

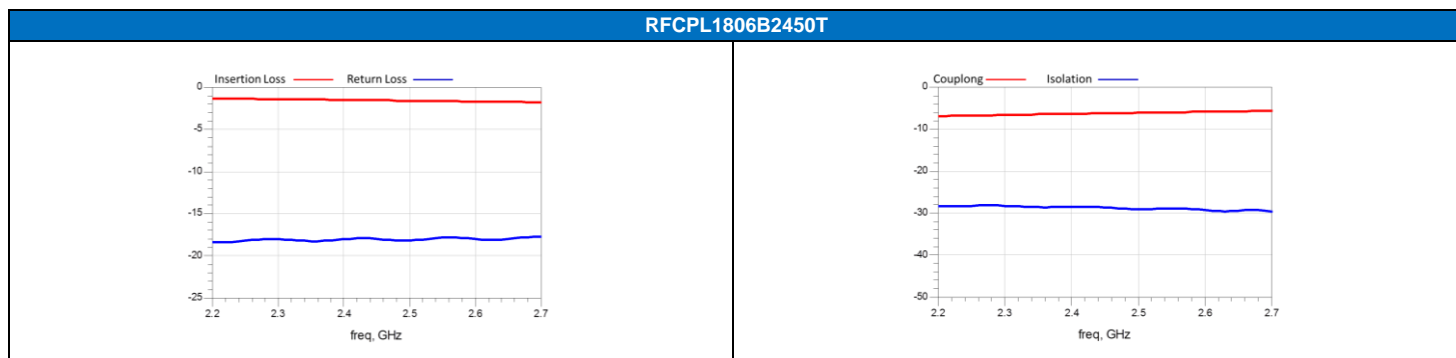
ISM Band 2.4/5GHz Application

Part Number	Frequency (MHz)	Insertion Loss (dB)	Coupling in BW	Directivity in BW dB (min.)	Isolation in BW dB (min.)	VSWR	Dimension (mm ³)	Structure
TFCPL0605030L18A1U	2400~2500	0.5	19.0±1.5dB	15 dB min.	-	1.3	0.65x0.50x0.35	B
	4900~5850	0.5	12.5±1.5dB	15 dB min.	-	1.3		
TFCPL0605030L28Q1C	2400~2500	0.2	19.3±0.7dB	15 dB min.	-	1.3	0.65x0.50x0.35	B
	5150~5850	0.5	13.0±1.5dB	15 dB min.	-	1.3		
RFCPL0605030L58Q1C	2400~2500	0.3	19.0±1.5dB	14.5 dB min.	-	1.3	0.65x0.50x0.35	C
	4900~5850	0.6	13.0±2.0dB	13.5dB min.	-	1.8		
RFCPL0605030L6T	2400~2500	0.40(25°C) 0.45(-40~+85°C)	21.5±1.5dB	15 dB min.	-	1.3	0.65x0.50x0.35	C
	4900~5850	0.40(25°C) 0.45(-40~+85°C)	15.0±1.5dB	15 dB min.	-	1.3		
RFCPL0605030L9T	2400~2500	0.20(25°C) 0.25(-40~+85°C)	19.3±0.7dB	15 dB min.	-	1.3	0.65x0.50x0.35	C
	4900~5850	0.50(25°C) 0.55(-40~+85°C)	13.0±1.5dB	15 dB min.	-	1.3		

LTE BAND APPLICATION

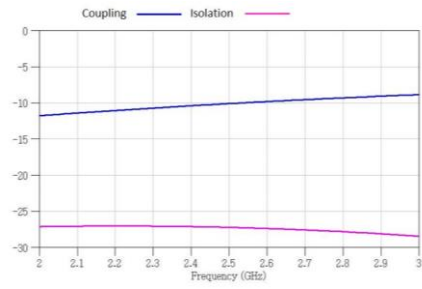
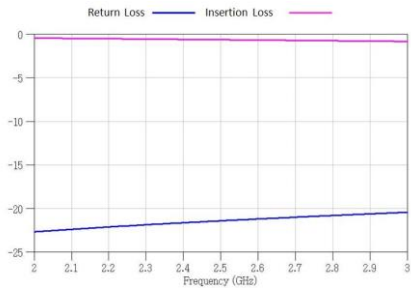
Part Number	Frequency (MHz)	Insertion Loss (dB)	Coupling in BW	Directivity in BW dB (min.)	Isolation in BW dB (min.)	VSWR	Dimension (mm ³)	Structure
RFCPL1608070P08Q1C	698~2690	0.20(698~960MHz) 0.22(1427.9~2170MHz) 0.25(2300~2690MHz)	23.0~27.0(698~915MHz) 21.5~26.5(1427.9~2025MHz) 22.5~27.5(2300~2620MHz)	20.	-	1.5	1.60x1.80x0.60	A-2
RFCPL1608070P18Q1C	698~2690	0.20(698~960MHz) (Typ.0.02) 0.22(1710~2170MHz) (Typ.0.07) 0.25(2300~2690MHz) (Typ.0.10)	23.0~27.0(698~915MHz) 21.5~26.5(1710~2025MHz) 22.5~27.5(2300~2620MHz)	20	-	1.45	1.60x1.80x0.60	A-3
RFCPL1608070P28Q1C	698~2690	0.20(698~960MHz) 0.22(1427.9~2170MHz) 0.25(2300~2690MHz)	23.0~27.0(698~915MHz) 21.5~26.5(1427.9~2025MHz) 22.5~27.5(2300~2620MHz)	20	-	1.5	1.60x1.80x0.60	A-2
RFCPL1608070P38Q1C	698~2690	0.20(698~960MHz) 0.22(1710~2170MHz) 0.25(2300~2690MHz)	23.0~27.0(698~915MHz) 21.5~26.5(1710~2025MHz) 22.5~27.5(2300~2620MHz)	20	-	1.45	1.60x1.80x0.60	A-3
RFCPL1608070PHT	699~2155	0.20(699~960MHz) 0.22(1710~2155MHz)	24.5~28.5(699~960MHz) 23.0~28.0(1710~1910MHz)	20	-	1.45	1.60x1.80x0.60	A-4
RFCPL1608070PKT	699~2155	0.20(699~960MHz) 0.22(1710~2155MHz)	24.5~28.5(699~960MHz) 23.0~28.0(1710~1910MHz)	20	-	1.45	1.60x1.80x0.60	A-3
RFCPL1608070PM9T16	700~2700	0.2(700~790MHz) (Typ.0.07) 0.2(820~900MHz) (Typ.0.07) 0.3(1701~2100MHz) (Typ.0.15) 0.3(2300~2700MHz) (Typ.0.15)	24~27(700~790MHz) 24~27(820~900MHz) 20~23(1701~2100MHz) 20~23(2300~2700MHz)	-	40(700~790MHz) 40(820~900MHz) 35(1701~2100MHz) 35(2300~2700MHz)	1.45	1.60x1.80x0.60	A-1

■ TYPICAL ELECTRICAL CHARACTERISTICS

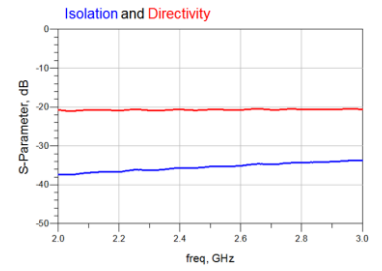
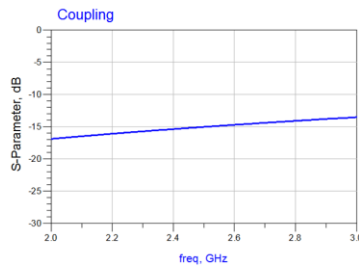


TYPICAL ELECTRICAL CHARACTERISTICS

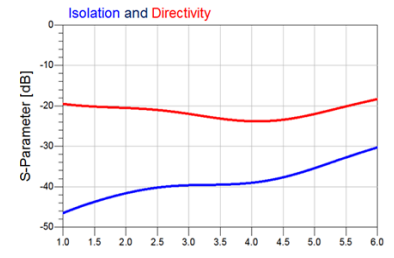
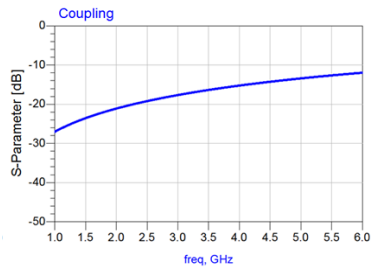
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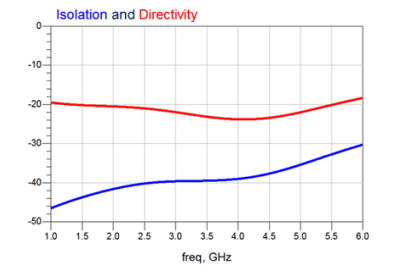
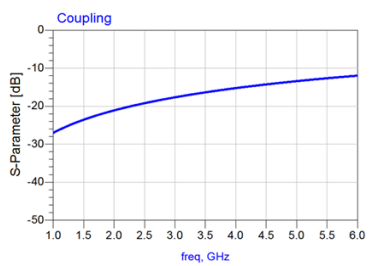
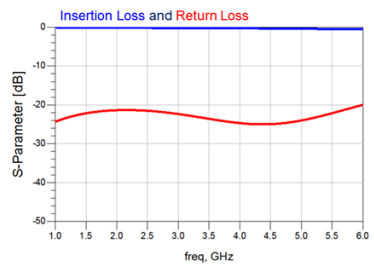
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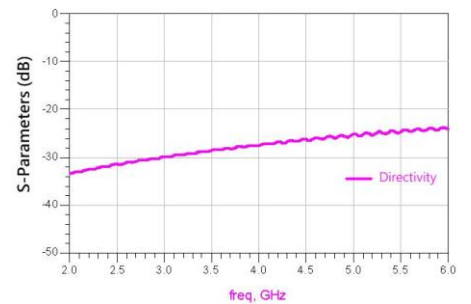
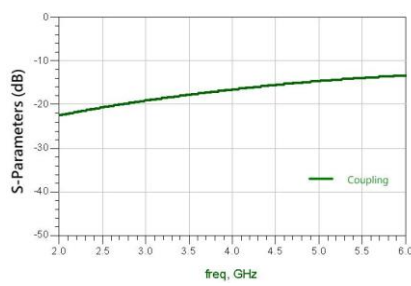
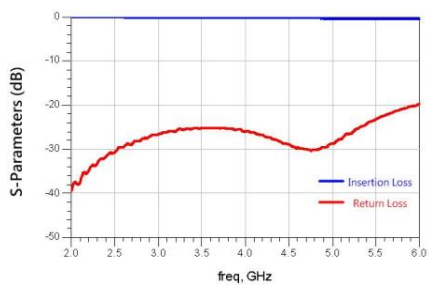
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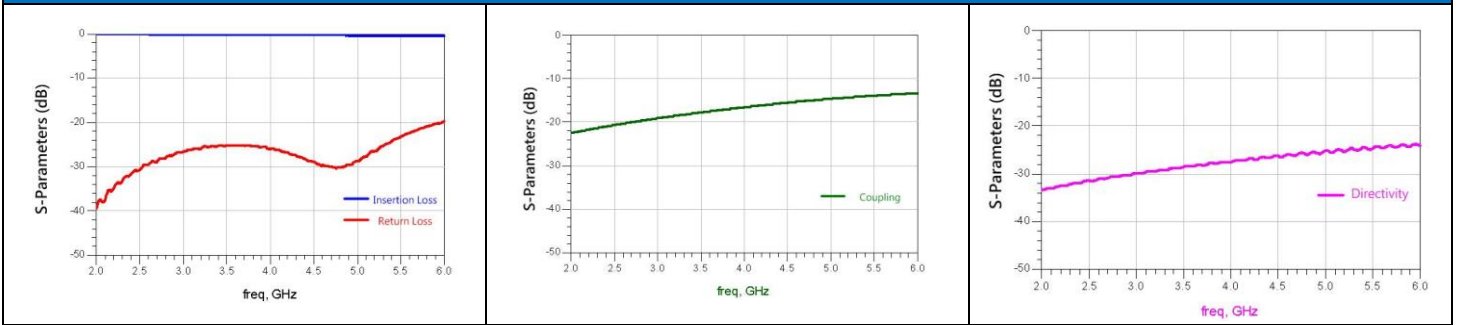


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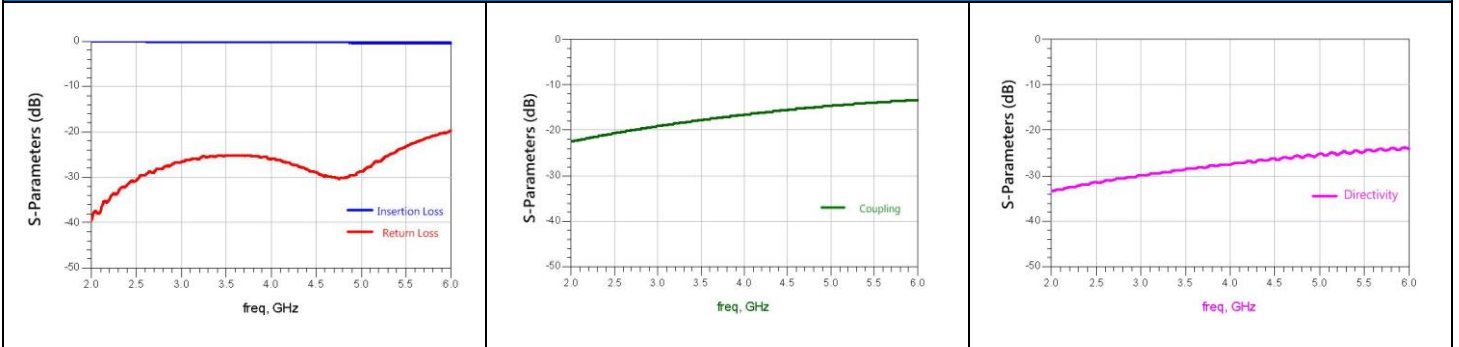


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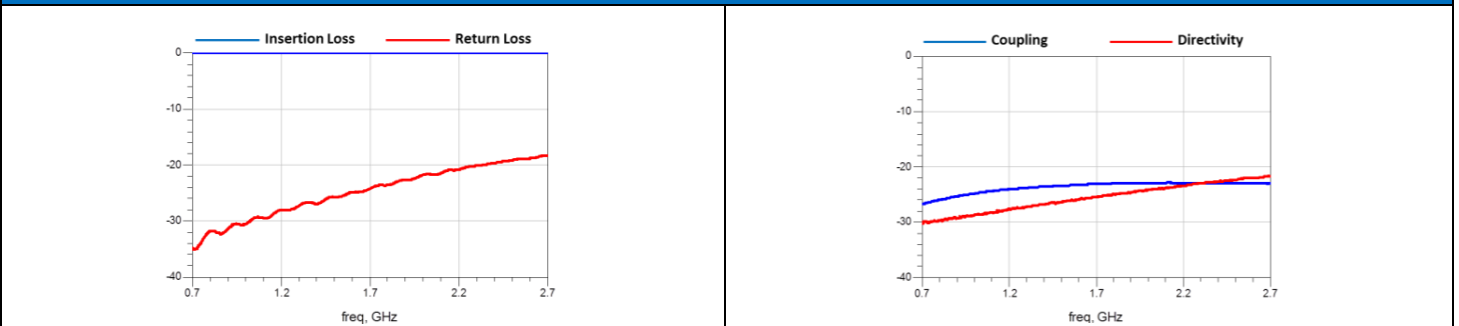
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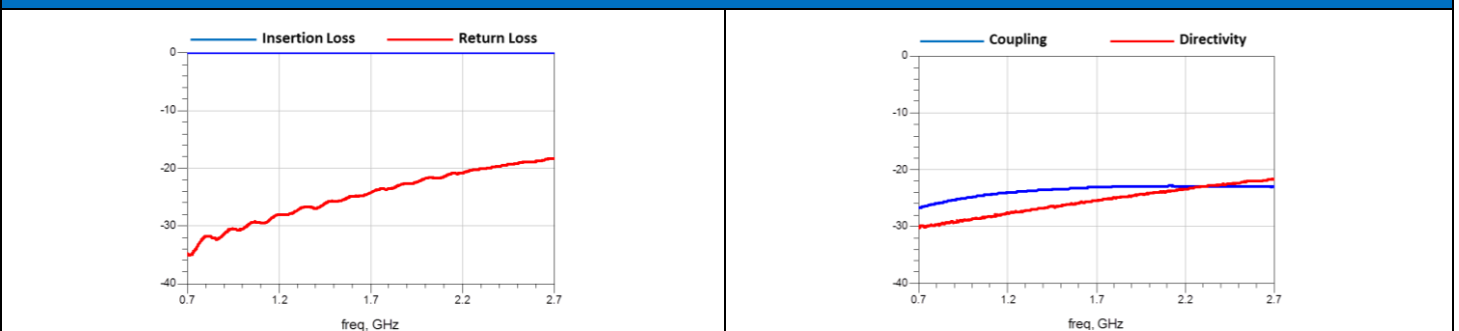
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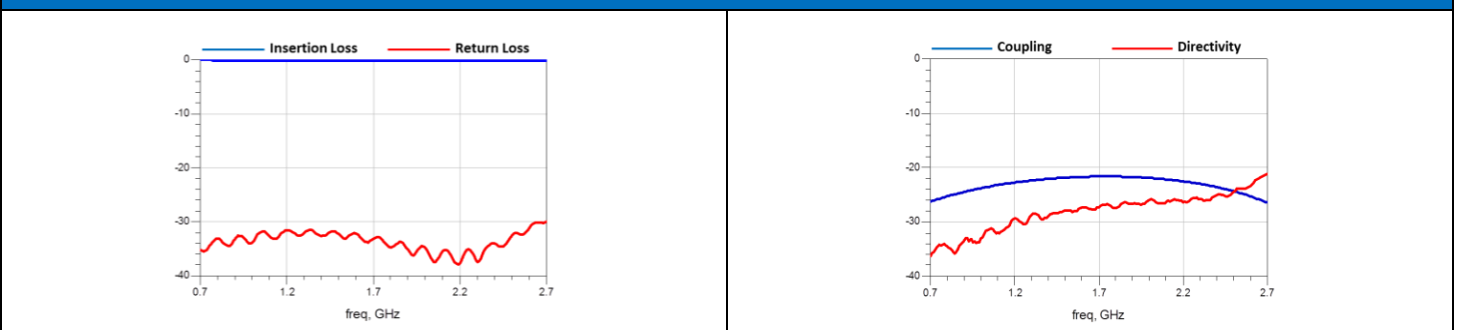
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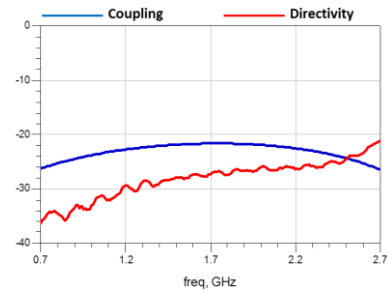


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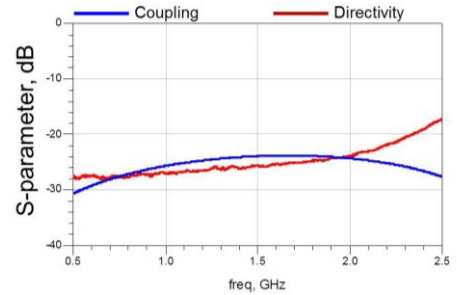
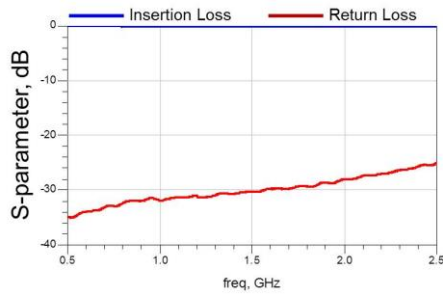


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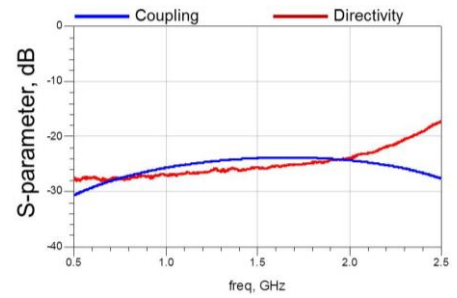
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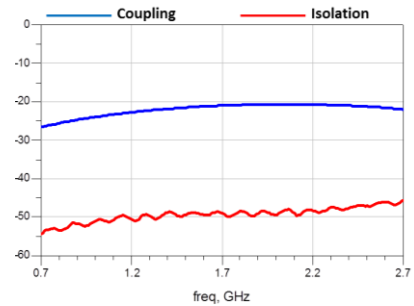
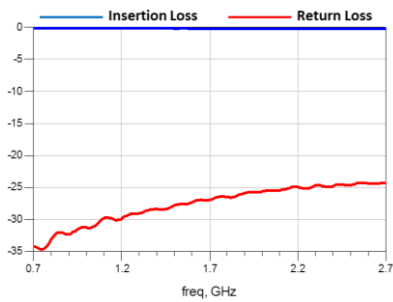
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RFCL1608070PKT



RFCL1608070PM9T16



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