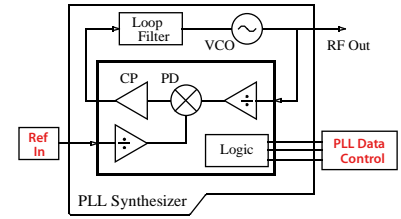
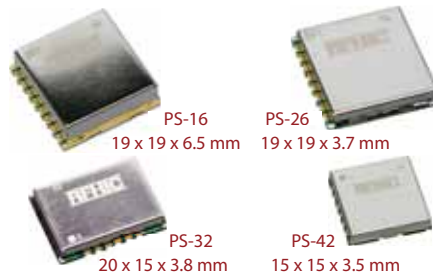


RF Hybrid Component

» PLL Synthesizer

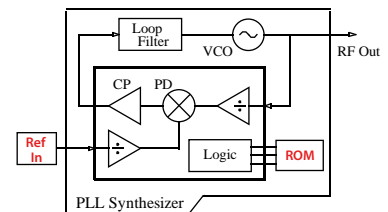
- Excellent Phase Noise
- Low Spurious
- 3~5V DC Voltage Supply
- 4 Different Types of Package Available
- Fractional-N & Integer-N PLL IC
- Custom Design Available



> Variable Type

Part Number	Frequency (MHz)	Step Size (KHz)	Output Power (dBm)	Spurious (MAX)(dBc)	Voltage / Current (5V / (mA))	Phase Noise(C/N) Offset @ 10KHz [dBc/Hz]	Package
PLV 63	63±2.5	10	10.5	-70	22	-112	PS-16 PS-26 PS-32 PS-42 & (PLS Series 9.8 x 8 x 2 9.8 x 9.3 x 2)
PLV160	160±5	1000	2	-70	22	-111	
PLV 395	395±10	25	7.5	-70	23	-107	
PLV 746	746±10	10	8.5	-70	23	-107	
PLV 762.5	762.5±13	200	9	-70	23	-106	
PLV 805	805±10	10	3	-70	23	-106	
PLV 832.5	832.5±13	100	7.5	-70	23	-106	
PLV 948	948±15	200	10	-70	23	-106	
PLV 1017.5	1017.5±15	200	3	-70	24	-107	
PLV 1100	1100±30	10	5	-70	24	-105	
PLV 1300	1300±20	200	7	-70	24	-105	
PLV 1580	1580±45	200	9	-70	24	-103	
PLV 1610	1610±40	100	5	-70	24	-103	
PLV 1670	1670±20	50	6	-70	24	-104	
PLV 1770	1770±30	200	5	-70	24	-104	
PLV 1811	1811±40	500	5	-70	24	-100	
PLV 1987	1987±35	500	5	-70	25	-100	
PLV 2010	2010±40	200	2	-70	25	-101	
PLV 2120	2120±30	100	3.5	-70	25	-102	
PLV 2205	2205±40	250	3	-70	25	-103	
PLV 2220	2220±30	250	5	-70	25	-103	
PLV 2340	2340±40	500	2	-70	26	-100	
PLV 2440	2440±40	500	0	-70	26	-100	
PLV 2680	2680±10	20	3.5	-70	26	-99	
PLV 3700	3700±30	250	1	-70	26	-101	
PLV 5640	5640±50	500	1	-70	26	-95	
PLV2640F	2640±40	250	3	-70	30	-105	
PLV3600F	3600±15	250	3	-70	30	-104	
PLV5750F	5750±20	500	0	-70	30	-98	

> Fixed Type (ROM Included)

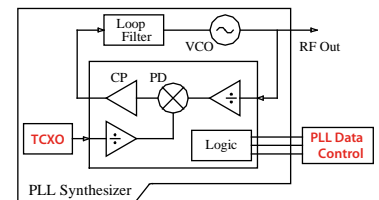


Part Number	Frequency (MHz)	Step Size (KHz)	Output Power (dBm)	Spurious (MAX)(dBc)	Voltage / Current (5V / (mA))	Phase Noise(C/N) Offset @ 10KHz [dBc/Hz]	Package
PLF 10	10	-	9	-70	23	-145	PS-16 PS-26 PS-42
PLF 40	40	-	8	-70	23	-140	
PLF 70	70	-	7	-70	23	-110	
PLF 115	115	-	7.5	-70	23	-109	
PLF 160	160	-	5	-70	23	-110	

> Fixed Type (ROM Included)

Part Number	Frequency (MHz)	Step Size (KHz)	Output Power (dBm)	Spurious (MAX)(dBc)	Voltage / Current 5V / (mA)	Phase Noise(C/N) Offset @ 10KHz [dBc/Hz]	Package
PLF 401	401	-	4	-70	23	-110	PS-16 PS-26 PS-42
PLF 677	677	-	5	-70	24	-108	
PLF 766	766	-	8	-70	24	-106	
PLF 832.5	832.5	-	7	-70	24	-106	
PLF 972.5	972.5	-	7	-70	24	-106	
PLF 1017.5	1017.5	-	6	-70	24	-105	
PLF 1450	1450	-	3	-70	25	-105	
PLF 1550	1550	-	5	-70	25	-105	
PLF 1685	1685	-	4	-70	25	-105	
PLF 1695	1695	-	4	-70	25	-105	
PLF 1697.5	1697.5	-	4	-70	25	-104	
PLF 1770	1770	-	0	-70	25	-104	
PLF 1830	1830	-	4	-70	25	-104	
PLF 1880	1880	-	0	-70	25	-104	
PLF 1907.4	1907.4	-	4	-70	25	-103	
PLF 1912.5	1912.5	-	4	-70	25	-103	
PLF 2020	2020	-	0	-70	26	-103	
PLF 2097.4	2097.4	-	5	-70	26	-103	
PLF 2270F	2270	-	2	-70	26	-106	
PLF 2345	2345	-	3	-70	26	-103	
PLF 2420F	2420	-	2	-70	26	-106	
PLF 2470F	2470	-	2	-70	26	-106	
PLF 2620	2620	-	3	-70	26	-100	
PLF 2642.5	2642.5	-	3	-70	26	-99	
PLF 3600	3600	-	2	-70	30	-101	

> Variable Type (TCXO Included)

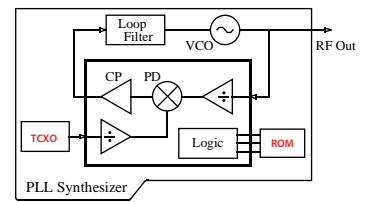


Part Number	Frequency (MHz)	Step Size (KHz)	Output Power (dBm)	Spurious (MAX)(dBc)	Voltage / Current 5V / (mA)	Phase Noise(C/N) Offset @ 10KHz [dBc/Hz]	Package
PLT 760	760±15	50	5	-70	23	-107	PS-16 PS-26 PS-42
PLT 836	836±15	15	7	-70	23	-107	
PLT 866	866±7	100	8	-70	23	-107	
PLT 945	945±15	10	7	-70	23	-106	
PLT 1000	1000±10	200	8	-70	24	-105	
PLT 1600	1600±30	10	5	-70	24	-104	
PLT 1690	1690±20	200	5	-70	24	-104	
PLT 1705	1705±25	200	7	-70	24	-104	
PLT 1770	1770±40	200	6	-70	24	-103	
PLT 1810	1810±30	10	5	-70	24	-102	
PLT 1920	1920±20	100	3	-70	25	-102	
PLT 2040	2040±20	100	3	-70	25	-102	
PLT 2100	2100±20	10	0	-70	25	-101	
PLT 2210	2210±20	200	3	-70	25	-102	
PLT 2300	2300±20	200	0	-70	26	-101	
PLT 2460	2460±10	50	0	-70	26	-100	

RF Hybrid Component

>> PLL Synthesizer

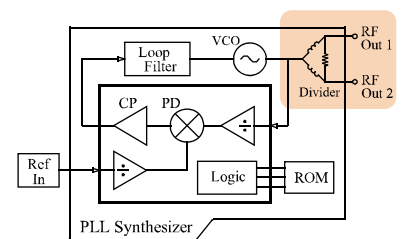
> Fixed Type (ROM & TCXO Included)



Part Number	Frequency (MHz)	Step Size (KHz)	Output Power (dBm)	Spurious (MAX)(dBc)	Voltage / Current 5V / (mA)	Phase Noise(C/N) Offset @ 10KHz [dBc/Hz]	Package
PLA50	50	-	5	-70	24	-112	PS-16 PS-26 PS-42
PLA 89.9	89.9	-	1	-70	24	-110	
PLA 150	150	-	5	-70	24	-111	
PLA 315	315	-	5	-70	24	-109	
PLA 401.5	401.5	-	7	-70	24	-109	
PLA 433	433	-	5	-70	24	-108	
PLA 693	693	-	8	-70	25	-108	
PLA 766.5	766.5	-	7	-70	25	-107	
PLA 823.64	823.64	-	0	-70	25	-107	
PLA 915	915	-	7	-70	25	-107	
PLA 1000	1000	-	5	-70	26	-106	
PLA 1690	1690	-	6	-70	26	-106	
PLA 1780	1780	-	3	-70	26	-106	
PLA 1895	1895	-	5	-70	26	-104	
PLA 1935	1935	-	5	-70	26	-104	
PLA 2000	2000	-	0	-70	27	-104	
PLA 2040	2040	-	3	-70	27	-103	
PLA 2085	2085	-	5	-70	27	-103	
PLA 2150	2150	-	2	-70	27	-103	
PLA 2250	2250	-	3	-70	27	-102	
PLA 2410	2410	-	0	-70	27	-101	
PLA 2550	2550	-	0	-70	27	-101	
PLA 2650	2650	-	0	-70	27	-100	

> Fixed Type (ROM & Divider Included)

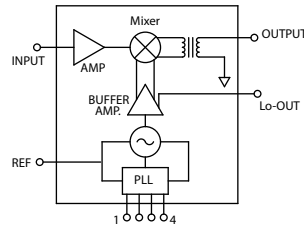
Package Type : PS-16, PS-26



Part Number	Frequency (MHz)	Step Size (KHz)	Output Level 1 (dBm)	Output Level 2 (MAX)(dBc)	Spurious (dBc)	Voltage / Current 5V / (mA)	Phase Noise(C/N) @ 10KHz [dBc/Hz]
PLV 1920D	1920±20	100	4	4	-70	24	-102
PLV 2090D	2090±20	100	3	3	-70	25	-101
PLT 1945D	1945±40	10	1	1	-70	24	-100
PLT 2000D	2000±25	200	3	3	-70	25	-100
PLF 960D	960	-	6	6	-70	25	-105
PLF 2040D	2040	-	5	5	-70	25	-102
PLA 1945.3D	1945.3	-	4	4	-70	26	-103
PLA 2150D	2150	-	2	2	-70	26	-101

» Hybrid Up-Down Converter with PLL

- No Additional Parts
- No Additional Matching
- No Additional Testing
- **Custom Design Available** (Frequency)



HY-5A 29.6 x 19.3 x 6.6 mm



» Frequency Up Converter

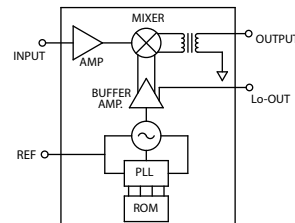
Part Number	Input Freq. (MHz)	Output Freq. (MHz)	LO Freq. (MHz)	Conv.Gain (dB)	N.F (dB)	OIP3 (dBm)	Phase Noise @ 10KHz (dBc)	Voltage / Current (V) / (mA)
RFUR08-50	70	824 ~ 849	754 ~ 779	8	6	26	-95	5 / 170
RFUR08-56	70	869 ~ 894	939 ~ 964	8	10	26	-95	5 / 170
RFUR09-50	70	890 ~ 915	820 ~ 845	8	8	24	-95	5 / 170
RFUR09-56	70	935 ~ 960	1005 ~ 1030	9	6.5	26	-95	5 / 170
RFUR14-59	70	1480 ~ 1520	1410 ~ 1450	6	10	24	-95	5 / 170
RFUR16-52	70	1550 ~ 1600	1480 ~ 1530	6.5	7	24	-95	5 / 170
RFUR19-50	70	1750 ~ 1770	1680 ~ 1700	5.5	8	26	-95	5 / 170
RFUR19-56	70	1840 ~ 1860	1770 ~ 1790	6.5	7	26	-95	5 / 170
RFUR20-50A	70	1920 ~ 1960	1850 ~ 1890	6.5	7.5	25	-95	5 / 170
RFUR20-50B	160	1960 ~ 1980	1800 ~ 1820	6.5	6	23	-95	5 / 170
RFUR20-56A	70	2110 ~ 2150	2040 ~ 2080	6.5	6	23	-95	5 / 170
RFUR20-56B	160	2150 ~ 2170	1990 ~ 2010	6	7	24	-95	5 / 170
RFUR39-50	360	921 ~ 960	561 ~ 600	6.5	6	23	-95	5 / 170
RFUR89-60	824 ~ 849	1750 ~ 1780	926 ~ 931	6	7	25	-95	5 / 170

» Frequency Down Converter

Part Number	Input Freq. (MHz)	Output Freq. (MHz)	LO Freq. (MHz)	Conv.Gain (dB)	N.F (dB)	OIP3 (dBm)	Phase Noise @ 10KHz (dBc)	Voltage / Current (V) / (mA)
RFDR08-51	824 ~ 849	70	754 ~ 779	9	10	28	-95	5 / 170
RFDR08-55	869 ~ 894	70	939 ~ 964	9	10	28	-95	5 / 170
RFDR09-51	890 ~ 915	70	820 ~ 845	9	6.5	28	-95	5 / 170
RFDR09-55	935 ~ 960	70	1005 ~ 1030	9	6.5	28	-95	5 / 170
RFDR14-58	1480 ~ 1520	70	1410 ~ 1450	7	10	24	-95	5 / 170
RFDR16-53	1550 ~ 1600	70	1480 ~ 1530	5.5	8	24	-95	5 / 170
RFDR19-51	1750 ~ 1770	70	1680 ~ 1700	5.5	6.5	26	-95	5 / 170
RFDR19-55	1840 ~ 1860	70	1770 ~ 1790	6	6.5	26	-95	5 / 170
RFDR20-51A	1920 ~ 1960	70	1850 ~ 1890	4.5	11	25	-95	5 / 170
RFDR20-51B	1960 ~ 1980	160	1800 ~ 1820	4.5	11	25	-95	5 / 170
RFDR20-55A	2110 ~ 2150	70	2040 ~ 2080	0	12	19	-95	5 / 170
RFDR20-55B	2150 ~ 2170	160	1990 ~ 2010	0	12	19	-95	5 / 170
RFDR93-51	920 ~ 960	360	561 ~ 600	6	7	25	-95	5 / 170
RFDR98-61	1750 ~ 1780	824 ~ 849	926 ~ 931	6	10	24	-95	5 / 170

» Hybrid Up-Down Converter with PLL & ROM

- No Additional Parts
- No Additional Matching
- No Additional Testing
- No Additional ROM
- **Custom Design Available** (Frequency)



HY-5A 29.6 x 19.3 x 6.6 mm

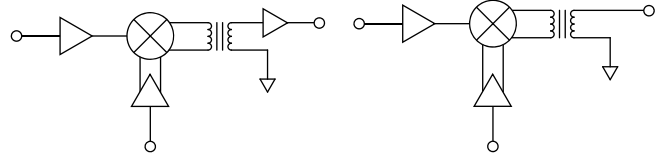


Part Number	Input Freq. (MHz)	Output Freq. (MHz)	LO Freq. (MHz)	Conv.Gain (dB)	N.F (dB)	OIP3 (dBm)	Phase Noise @ 10KHz (dBc)	Voltage / Current (V) / (mA)
URF696	185	881	696	5.5	9.5	24	-95	5 / 170
URF726	110	836	726	5.5	9.5	24	-95	5 / 170
URF1890	250	2140	1890	6	9.5	23	-95	5 / 170
URF2010	60	1950	2010	5.5	9.5	21	-95	5 / 170
DRF726	836	110	726	9	9.5	30	-95	5 / 170
DRF2010	1950	60	2010	2	9.5	22	-95	5 / 170

RF Hybrid Component

>> Mixer

- Integrated Monolithic GaAs MESFET Active Mixer Packages Module
- Very Low Noise Figure & Low Distortion
- External Matchings are required to MO4Q and MO9Q
- **Custom Design Available** (Frequency)
- No Additional Matching for other models (except QFN3 pkg)



> Active Up Mixer

Part Number	IF Freq. (MHz)	RF Freq. (MHz)	Conv. Gain (dB)	OIP3 (dBm)	N.F (dB)	Vd / Id (V) / (mA)	Package
MO4Q	30 ~ 200	150 ~ 3800	6@2100MHz	24@2100MHz	8.5	5 / 130	QFN3
MU0941	50 ~ 200	700 ~ 900	10	26	8.5	5 / 130	HY-1
MU1541	50 ~ 200	1400 ~ 1600	4	23	8.5	5 / 125	
MU1841	50 ~ 200	1700 ~ 1900	6	22	8.5	5 / 125	
MU2141	50 ~ 200	1900 ~ 2200	5	25	8.5	5 / 125	
MU2341	50 ~ 200	2200 ~ 2500	5	24	8.5	5 / 125	
MU2741	50 ~ 200	2500 ~ 2700	2	22	9	5 / 125	
MU3541	50 ~ 200	3400 ~ 3600	3	20	9.5	5 / 125	

◀ Test Condition : @ IF 70MHz

> Active Down Mixer

Part Number	RF Freq. (MHz)	IF Freq. (MHz)	Conv. Gain (dB)	IIP3 (dBm)	N.F (dB)	Vd / Id (V) / (mA)	Package
MO9Q	150 ~ 3800	30 ~ 200	9@2100MHz	17@2100MHz	8.5	5 / 145	QFN3
MD0993	700 ~ 900	50 ~ 200	12	16	8.5	5 / 145	HY-3
MD1893	1700 ~ 1900	50 ~ 200	10	16	8.5	5 / 145	HY-3
MD2193	1900 ~ 2200	50 ~ 200	10	17	8.5	5 / 145	HY-3
MD2393	2200 ~ 2500	50 ~ 200	9	17	8.5	5 / 145	HY-3
MD2793	2500 ~ 2700	50 ~ 200	2	20	9	5 / 145	HY-3
MD3593	3400 ~ 3600	50 ~ 200	0	20	9.5	5 / 135	HY-3
MDH2191	2100 ~ 2200	70	25	13	9.5	5 / 245	HY2-1

◀ Test Condition : @ IF 70MHz

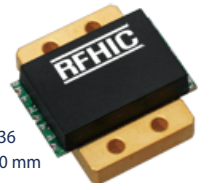
> Passive Mixer (Preliminary)

- The MP Series is high linearity Quad MOSFET Mixer.

Part Number	RF Freq. (MHz)	IF Freq. (MHz)	Conv. Loss (dB)	IIP3 (dBm)	Input 1dB (dBm)	LO INPUT Power (dBm)	Package
MP091	820 ~ 920	70 (Typ.)	7	32	21	17	HY-3
MP201	1800 ~ 2000	260 (Typ.)	7	30	22	17	HY-3

» Power Amplifier

- Fully matched, Flange Type, Drop-in Amplifier
- Isolator included in selected models
- GaAs or GaN device based
- 100% Tested • Reliability proven



DP-36
29 x 31 x 10 mm

> Power Amplifier (M series)

Part Number	Frequency (MHz)	Gain (dB)	P1dB (dBm)	CDMA (dBm)	OIP3 (dBm)	Vd (V)	Id (A)	Package
RFM0424-10	380 ~ 450	16	38	-	49	9	1.2	DP-36
RFM0836-10	824 ~ 849	16	38	32	50	9	1.2	
RFM0882-10	869 ~ 894	16	38	32	50	9	1.2	
RFM0902-10	890 ~ 915	16	38	32	50	9	1.2	
RFM0947-10	935 ~ 960	16	38	32	50	9	1.2	
RFM1747-10	1710 ~ 1785	13	38	32	50	9	1.2	
RFM1765-10	1750 ~ 1780	13	38	32	50	9	1.2	
RFM1842-10	1805 ~ 1880	12.5	38	32	50	9	1.2	
RFM1855-10	1840 ~ 1870	12.5	38	32	50	9	1.2	
RFM1880-10	1850 ~ 1910	12.5	38	32	50	9	1.2	
RFM1950-10	1920 ~ 1980	12	38	29	50	9	1.2	
RFM2140-10	2100 ~ 2170	11.5	38	28	50	9	1.2	
RFM2324-09	2300 ~ 2400	10	37	-	50	9	1.2	
RFM2424-09	2400 ~ 2500	10	37	-	50	9	1.2	
RFM2624-09	2500 ~ 2600	9	37	-	50	9	1.2	
RFM2724-08	2600 ~ 2700	9	37	-	50	9	1.2	

◀ Operating BW : 30 ~ 100MHz

◀ Test Condition : 27 dBm / tone , CDMA 1FA

◀ Shut down function provided

> Power Amplifier (A series)

Part Number	Frequency (MHz)	Gain (dB)	P1dB (dBm)	CDMA (dBm)	OIP3 (dBm)	Vd (V)	Id (A)	Package
RFA0836-04	824 ~ 894	29	35	29	48	9	1	DP-36
RFA0882-04	824 ~ 894	29	35	29	48	9	1	
RFA0902-04	890 ~ 960	29	35	29	48	9	1	
RFA0947-04	890 ~ 960	29	35	29	48	9	1	
RFA1747-03	1710 ~ 1785	26	34	29	48	9	1	
RFA1765-03	1750 ~ 1780	26	34	29	48	9	1	
RFA1842-03	1805 ~ 1880	26	34	29	48	9	1	
RFA1855-03	1840 ~ 1870	26	34	29	48	9	1	
RFA1930-03	1920 ~ 1980	25	34	27	48	9	1	
RFA1950-03	1920 ~ 1980	25	34	27	48	9	1	
RFA1970-03	1920 ~ 1980	25	34	27	48	9	1	
RFA2120-03	2110 ~ 2170	24	34	27	48	9	1	
RFA2140-03	2110 ~ 2170	24	34	27	48	9	1	
RFA2160-03	2110 ~ 2170	24	34	27	48	9	1	

◀ Operating BW : 30 ~ 100MHz

◀ Test Condition : 23 dBm / tone , CDMA 1FA

◀ Shut down function provided

> Power Amplifier (T series)

DP-56
45 x 32 x 10 mm



Part Number	Frequency (MHz)	Gain (dB)	P1dB (dBm)	CDMA (dBm)	OIP3 (dBm)	Vd (V)	Id (A)	Package
RFT1950-08	1920 ~ 1980	27	38	30	51	9	1.6	DP-56
RFT2140-08	2110 ~ 2170	26	38	30	51	9	1.6	
RFT2350-08	2300 ~ 2400	25	37	-	51	9	1.6	
RFT2550-07	2500 ~ 2600	24	37	-	51	9	1.6	
RFT2650-07	2600 ~ 2700	23	37	-	51	9	1.6	
RFT3500-07	3500	18	36	-	50	9	1.6	

◀ Operating BW : 30 ~ 100MHz

◀ Test Condition : 27 dBm / tone , CDMA 1FA

◀ Shut down function provided

RF Hybrid Component

» Power Amplifier

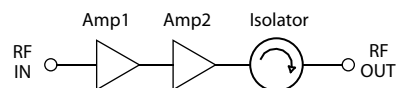
» Power Amplifier (N series)

DP-66
50 x 27 x 12 mm



Part Number	Frequency (MHz)	Gain (dB)	P1dB (dBm)	WCDMA OFDM (dBm)	OIP3 (dBm)	Voltage (V)	Current (A)	Package
RFN2140-08	2100 ~ 2200	27	39	29	49	27	0.6	DP-66
RFN2350-08	2300 ~ 2400	26	39	29	49	27	0.6	
RFN2550-08	2500 ~ 2600	24	39	29	49	27	0.6	
RFN3500-08	3400 ~ 3500	19	38	29	49	27	0.6	

» Power Amplifier (W series)



DP-56
45 x 32 x 10 mm



Part Number	Frequency (MHz)	Gain (dB)	P1dB (dBm)	WCDMA / CDMA (dBm)	OIP3 (dBm)	Voltage (V)	Current (A)	Package
RFW0836-10	824 ~ 849	30	38	32	51	10	1.5	DP-56
RFW0882-10	869 ~ 894	30	38	32	51	10	1.5	
RFW0902-10	890 ~ 915	30	38	32	51	10	1.5	
RFW0947-10	935 ~ 960	30	38	32	51	10	1.5	
RFW1747-10	1710 ~ 1785	26	37	31	51	10	1.5	
RFW1842-10	1805 ~ 1880	25.5	37	31	51	10	1.5	
RFW1880-10	1850 ~ 1910	25	37	31	51	10	1.5	
RFW1960-10	1930 ~ 1990	25	37	31	51	10	1.5	
RFW1950-10	1920 ~ 1980	25	37	29	51	10	1.5	
RFW2140-10	2110 ~ 2170	24.5	36	29	51	10	1.5	

◀ Test Condition : 27 dBm / tone , CDMA 1FA

◀ Shut down function provided

» GaN Pallet High Power Amplifier



Part Number	Frequency (MHz)	Gain (dB)	P3dB (dBm)	Pout (dBm)	Vd / Ids (V) / (A)	Mode (Type)	Size (mm)
Ⓢ RGP0936-120	800 ~ 1000	16	50	46	28 / 5.5	CDMA 7FA	100x70x19
RGP2036-120	1800 ~ 2000	14.5	50	46	28 / 5.5	WCDMA 2FA	
RGP2536-110	2300 ~ 2700	13	50	40	28 / 3	OFDM 1FA	
RGP3536-90	3400 ~ 3700	10	50	39	28 / 3	OFDM 1FA	

Ⓢ : Under Development

» GaN Pallet Wideband Amplifier

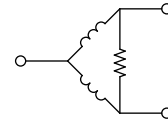
DP-75
70 x 51 x 16 mm



Part Number	Frequency (MHz)	Gain (dB)	Return Loss (dB)	P3dB (dBm)	OIP3 (dBm)	Voltage (V)	Current (A)	Package
RFW7735H20-28	450 ~ 770	33	-15 / -15	43	48	28	1.9	DP-75
RFW1G35H20-28	20 ~ 1000	33	-10 / -5	41	47	28	1.8	
RFW5035H40-28	20 ~ 500	35	-8 / -2	45	51	28	3.1	
RFW8835H40-28	450 ~ 880	33	-13 / -8	45	51	28	3.1	
RFW1G33H40-28	20 ~ 1000	32	-6 / -2	44	48	28	3.1	
RFW2500H10-28	20 ~ 2500	13	-	36	41	28	0.9	

» **2 Way Power Divider**

• The 2 way power divider has low loss, high isolation and good matching

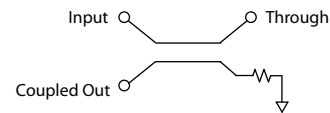


SOIC-8

SOT23-6L

Part Number	Frequency (MHz)	Insertion Loss (dB)	Input Return Loss (dB)	Output Return Loss (dB)	Isolation (Deg.)	Handling Power (W)	Package (Ω)
PD09C2	720 ~ 960	0.3	35	35	27	2	SOIC-8
PD18C2	1700 ~1900	0.3	25	25	25	2	
PD20C2	1900 ~ 2200	0.3	35	27	27	2	
PD23C2	2200 ~ 2400	0.3	22	27	27	2	
PD26C2	2500 ~ 2700	0.3	25	22	35	2	
PD36C2	3400 ~ 3700	0.3	27	32	32	2	
PD09T2	720 ~ 960	0.3	22	23	35	1	SOT23-6L
PD18T2	1700 ~1900	0.3	17	19	28	1	
PD20T2	1900 ~ 2200	0.3	19	23	31	1	
PD23T2	2200 ~ 2400	0.3	13	18	19	1	
PD26T2	2500 ~ 2700	0.4	16	16	19	1	
PD36T2	3400 ~ 3700	0.4	20	23	17	1	

» **Directional Coupler**

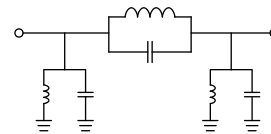


SOIC-8

Part Number	Frequency (MHz)	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	Coupling (dB)	Package
CP090	720 ~ 960	0.3	20	35	14	SOIC-8
CP180	1700 ~ 1900	0.3	20	23	14	
CP210	1900 ~ 2200	0.3	21	21	14	
CP230	2400 ~ 2500	0.3	24	18	14	
CP260	2500 ~ 2700	0.3	25	17	15	
CP360	3400 ~ 3700	0.3	21	15	15	

» **MCM Passive Filter**

• The MCM filter has good return loss and suitable for high power applications



SOT-89

Part Number	Frequency (MHz)	Insertion Loss (dB)	Return Loss (dB)	Handling Power (W)	2f0 Rejection (dB)	Impedance (Ω)	Package
LPF509	960	0.5	30	3	-30	50	SOT-89
LPF518	1800	0.5	30	3	-40	50	
LPF524	2400	0.5	25	3	-40	50	
BWF870	270 ~ 470	0.9	13	2	-35	75	BGA Type
	470	1.9	12	2	-20	75	
	470	1	10	2	-20	75	
LPF708	870	0.5	11	5	-40	75	SOT-89
LPF722	2200	0.5	12	5	-25	75	SOT-89

» **Band Switch Filter (75Ω)**

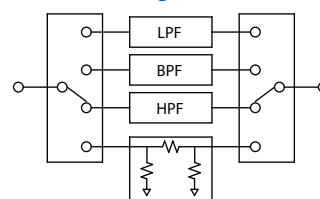
Product Features

- MCM Sub-Module
- High Dynamic Range
- Digital Control
- Low Insertion Loss
- Low Current
- Chip On Board
- Low Cost

Applications

- Tuner
- Digital TV
- DVD
- Trunk Amp.
- Camcorder
- Broadband System Set Top Box

Functional Diagram



CL-38
14 x 11 x 3 mm

Part Number	Frequency (MHz)	Output Freq. (MHz)	Insertion Loss (dB)	OIP3 (dBm)	RF Input Power (W)	Digital On/Off (V)	Current (mA)	Package
SF8700	45~870	45~270	-1.0 ~ -30	65	10	3~5 / 0	0	CL-38