

Product Catalog

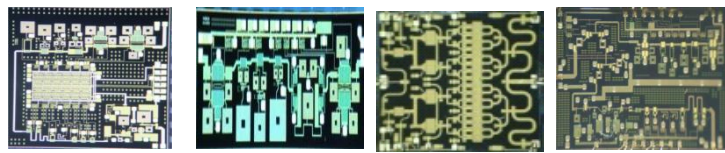
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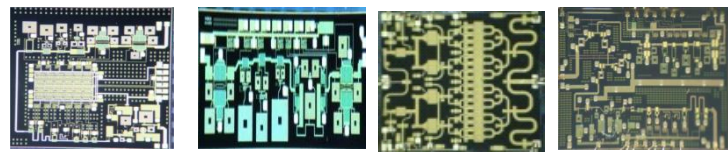
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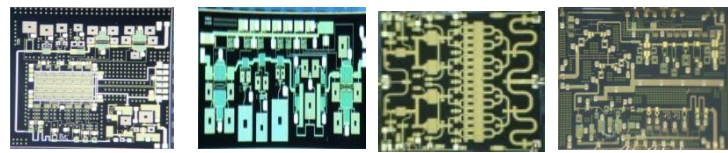
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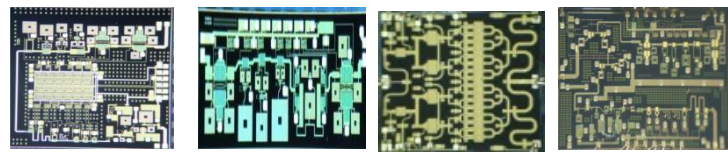


1.1 Low Noise Amplifiers

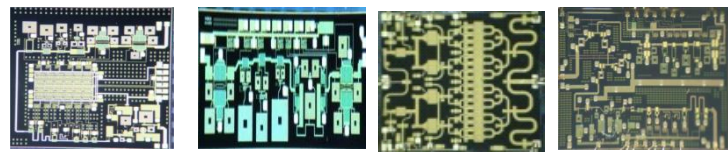
index Part#	Freq (GHz)	Gain (dB)	Gain flatness (dB)	NF (dB)	Input VSWR	Output VSWR	P ₁ dB Output (dBm)	Power consumption (V/mA)	Package Style
RA3001	0.03~0.3	32.5	0.1	0.75	1.5	1.5	26	8/150	Die, Ceramic QFN or Plastic QFN
RA3002	0.03~0.3	30.5	0.1	0.6	1.5	1.5	20	5/65	Die, Ceramic QFN or Plastic QFN
RA3003	0.2~0.6	38	0.3	0.8	1.5	1.6	17	5/75	Die, Ceramic QFN or Plastic QFN
RA3004	0.2~2.6	21	5.5	3	1.6	1.8	20.5	5/90	Die, Ceramic QFN or Plastic QFN
RA3005	0.4~0.6	35.5	0.8	0.6	1.25	1.7	18	5/75	Die, Ceramic QFN or Plastic QFN
RA3006	0.4~0.6	35	0.2	0.6	1.2	1.9	17.5	4.5/75	Die, Ceramic QFN or Plastic QFN
RA3007	0.4~0.6	38	0.2	0.6	1.2	1.2	18.5	5/80	Die, Ceramic QFN or Plastic QFN
RA3008	0.4~3.5	18	2	1.8	1.5	1.5	18	5/45	Die, Ceramic QFN or Plastic QFN
RA3009	0.7~2.6	20	2.5	1.3	1.6	1.7	20.5	5/70	Die, Ceramic QFN or Plastic QFN
RA3010	0.7~6	16	1.8	2.3	1.8	1.6	16.5	5/45	Die, Ceramic QFN or Plastic QFN



RA3011	0.8~4	38	0.8	1.7	1.7	1.6	19.5	5/120	Die, Ceramic QFN or Plastic QFN
RA3012	0.9~1.3	34.5	0.2	0.65	1.3	1.2	10	5/90	Die, Ceramic QFN or Plastic QFN
RA3013	0.9~1.5	17	2.2	0.7	1.8	1.4	12	5/35	Die, Ceramic QFN or Plastic QFN
RA3014	1.0~3.5	24.5	2	1.7	1.5	1.3	14	5/55	Die, Ceramic QFN or Plastic QFN
RA3015	2~8	28.5	2.6	2.3	1.6	1.5	16.5	5/85	Die, Ceramic QFN or Plastic QFN
RA3016	2.1~2.5	23	1.5	2.6	1.2	1.1	8.5	5/25	Die, Ceramic QFN or Plastic QFN
RA3017	2.1~2.5	33	0.05	0.7	1.3	1.1	9	5/40	Die, Ceramic QFN or Plastic QFN
RA3018	2.7~3.1	32	0.8	0.7	1.2	1.1	18	5/75	Die, Ceramic QFN or Plastic QFN
RA3019	2.7~3.1	36.5	0.6	0.75	1.2	1.1	18.5	5/105	Die, Ceramic QFN or Plastic QFN
RA3020	2.7~3.5	28	0.2	0.75	1.4	1.3	10	5/40	Die, Ceramic QFN or Plastic QFN
RA3021	5~6	7	0.1	5.2	1.1	1.3	14.5	5/20	Die, Ceramic QFN or Plastic QFN
RA3022	1.2~1.4	21	0.5	0.7	1.1	1.5	22	5/100	Die, Ceramic QFN or Plastic QFN
RA3023	1.4~3	36	1	0.8	1.4	1.2	18	5/100	Die, Ceramic QFN or Plastic QFN



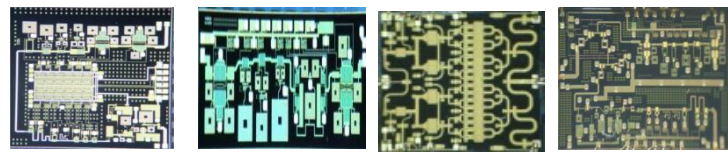
RA3024	0.8~4	36	1	1.6	1.5	1.5	19.5	5/115	Die, Ceramic QFN or Plastic QFN
RA3025	1~12	16	1	2.5	1.7	1.3	17	5/60	Die, Ceramic QFN or Plastic QFN
RA3026	1.5~18	14	3	3	1.7	1.7	15	5/60	Die, Ceramic QFN or Plastic QFN
RA3027	1.0~12	14	0.8	2.5	1.8	1.3	15	5/60	Die, Ceramic QFN or Plastic QFN
RA3028	0.03~0.3	31	0.1	0.75	1.7	1.7	23	5/115	Die, Ceramic QFN or Plastic QFN
RA3029	2.0~4.5	27	0.8	0.9	1.6	1.5	13	5/45	Die, Ceramic QFN or Plastic QFN
RA3030	0.7~2.0	19.5	1	1.5	1.3	1.3	16	5/30	Die, Ceramic QFN or Plastic QFN
RA3031	2.0~4.0	29	0.8	1	1.9	1.3	13	5/45	Die, Ceramic QFN or Plastic QFN
RA3032	0.7~3.5	18	1	1.2	1.5	1.7	15.5	5/45	Die, Ceramic QFN or Plastic QFN
RA3033	2.7~3.5	12	1.5	1.6	1.2	1.4	19	5/54	Die, Ceramic QFN or Plastic QFN
RA3034	3.5~6.0	24	2	1.5	1.4	1.2	16	5/57	Die, Ceramic QFN or Plastic QFN
RA3035	1.5~4.5	12	1.5	2.7	1.3	1.4	13	5/28	Die, Ceramic QFN or Plastic QFN
RA3036	3.0~6.5	20	1.5	2	1.4	1.5	14	5/60	Die, Ceramic QFN or Plastic QFN



RA3037	1.0~7.0	11	0.5	2.5	1.4	1.4	17	8/60	Die, Ceramic QFN or Plastic QFN
RA3038	1.0~7.0	11	0.4	3	1.4	1.5	16	8/56	Die, Ceramic QFN or Plastic QFN

1.2 Driver Amplifier

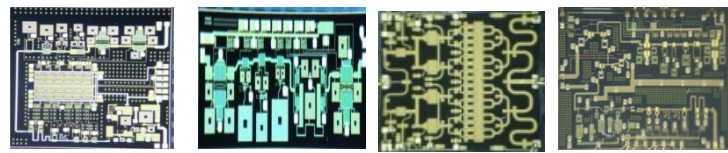
index Part#	Freq (GHz)	Gain (dB)	Gain flatness (dB)	NF (dB)	Input VSWR	Output VSWR	P ₁ dB Output (dBm)	Power consumption (V/mA)	Package Style
RA3901	0.9~1.3	20.2	0.6	3.8	2	2	26.4	5/265	Die, Ceramic QFN or Plastic QFN
RA3902	0.9~1.3	20.2	0.4	3.4	1.5	1.2	26	8/142	Die, Ceramic QFN or Plastic QFN
RA3903	0.9~1.3	36	0.9	3.2	2	1.2	25.5	8/162	Die, Ceramic QFN or Plastic QFN
RA3904	7~12	24	1.5	5.5	1.2	1.4	17	5/68	Die, Ceramic QFN or Plastic QFN
RA3905	2~8	18	1	3	1.5	1.5	15	5/60	Die, Ceramic QFN or Plastic QFN
RA3906	3~10	17	2	3	1.5	1.6	14	5/60	Die, Ceramic QFN or Plastic QFN



RA3907	8.5~10.5	9	0.5	4	1.5	1.5	20.5	5/110	Die, Ceramic QFN or Plastic QFN
RA3908	0.1~4	14	2	5	1.6	1.5	27	8/170	Die, Ceramic QFN or Plastic QFN
RA3909	0.1~4	16	2	5	1.5	1.6	27	8/170	Die, Ceramic QFN or Plastic QFN

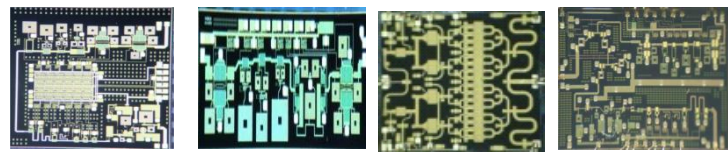
1.3 Power Amplifier

index Part#	Freq (GHz)	Gain (dB)	P _{SAT} (dBm)	PAE	Power consumption (V/A)	Package Style
RA3101	13~15	29	37	28	8/-	Die, Ceramic QFN or Plastic QFN/QFN
RA3102	8~12	25	40	40	8/-	Die, Ceramic QFN or Plastic QFN
RA3103	5.0~6.0	36	36	42	8/1.25	Die, Ceramic QFN or Plastic QFN



1.4 Phase Shifters

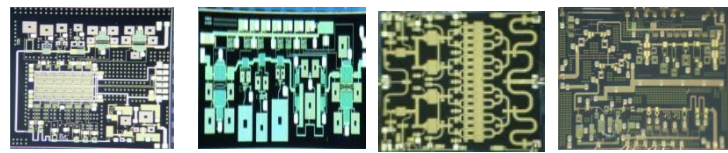
index Part#	Freq (GHz)	Digits (bit)	Insertion Loss(dB)	Input VSWR	Output VSWR	Phase Error (°)	RMS (°)	Control Voltage (V)	Package Style
RA3301	0.9~1.3	6	5	1.3	1.3	-2~4	1.5	0/+5	Die, Ceramic QFN or Plastic QFN
RA3302	1.2~1.6	6	5	1.3	1.3	-2~3	1.4	0/-5	Die, Ceramic QFN or Plastic QFN
RA3303	2.2~2.6	6	4.5	1.3	1.3	-5~1.5	2	0/+5	Die, Ceramic QFN or Plastic QFN
RA3304	2.7~3.5	6	5.2	1.55	1.4	-2~4.5	2	0/+5	Die, Ceramic QFN or Plastic QFN
RA3305	2.7~3.5	6	4.8	1.5	1.4	-2~4	2	0/-5	Die, Ceramic QFN or Plastic QFN
RA3306	5~6	6	5.5	1.4	1.4	-7-0.5	4	0/+5	Die, Ceramic QFN or Plastic QFN
RA3307	8~12	6	8	1.9	1.8	-4~5	2	0/+5	Die, Ceramic QFN or Plastic QFN
RA3308	14~18	6	10	1.7	1.5	-7~2	3	0/+5	Die, Ceramic QFN or Plastic QFN
RA3309	3.4~4.2	6	5.5	1.5	1.5	-5~2.5	1	0/+5	Die, Ceramic QFN or Plastic QFN
RA3310	1.2~1.4	6	4.8	1.3	1.4	-1.5~1.5	1	0/+5	Die, Ceramic QFN or Plastic QFN



RA3311	1.2~1.6	6	5	1.3	1.4	-1.5~2.5	1.5	0/+5	Die, Ceramic QFN or Plastic QFN
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1.5 Digital Attenuator

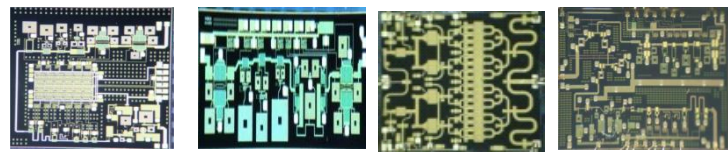
index Part#	Freq (GHz)	Digits (bit)	Insertion Loss(dB)	Input VSWR	Output VSWR	Attenuation Accuracy (dB)	RMS (dB)	Control Voltage (V)	Package Style
RA3401	DC~4	3	0.7	1.15	1.15	-0.2~0.4	0.25	-5/+5	Die, Ceramic QFN or Plastic QFN
RA3402	DC~6	6	2.6	1.4	1.4	-0.3~0.5	0.8	0/+5	Die, Ceramic QFN or Plastic QFN
RA3403	8~12	6	3.8	1.3	1.3	-0.5~1	2	0/+5	Die, Ceramic QFN or Plastic QFN
RA3404	DC~12	2	2.2	1.4	1.5	-0.5~1.5	1	-5/+5	Die, Ceramic QFN or Plastic QFN
RA3405	12~18	6	3.8	1.45	1.5	-0.5~2.5	1.5	0/+5	Die, Ceramic QFN or Plastic QFN
RA3406	DC~12	6	2.2	1.2	1.2	-0.6~0.8	0.3	0/+5	Die, Ceramic QFN or Plastic QFN
RA3407	DC~12	6	2.8	1.3	1.4	-2~2	0.5	0/+5	Die, Ceramic QFN or Plastic QFN



1.6 Switches

1) SPDT SWITCH

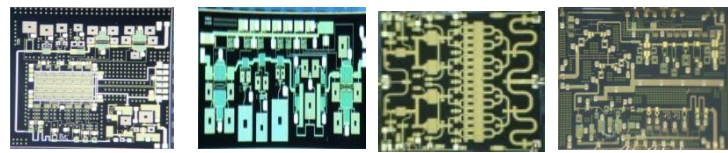
index Part#	Freq (GHz)	Description	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	P ₁ dB Input (dBm)	IP3 Input (dBm)	Control Voltage (V)	Package Style
RA3201	DC~20	SPDT Non-Reflection	≤2.3	≥45	15	30	48	0/-5	Die, Ceramic QFN or Plastic QFN
RA3202	DC~12	SPDT Reflection	≤1.2	≥45	20	25	42	0/+5	Die, Ceramic QFN or Plastic QFN
RA3203	DC~12	SPDT Reflection	≤1.2	≥45	20	25	42	0/+5	Die, Ceramic QFN or Plastic QFN
RA3204	DC~4	SPDT Non-Reflection	≤1.5	≥60	15	30	45	0/+5	Die, Ceramic QFN or Plastic QFN
RA3205	DC~20	SPDT Reflection	≤1.5	≥40	18	20	35	0/+5	Die, Ceramic QFN or Plastic QFN
RA3206	DC~20	SPDT Non-Reflection	≤2.5	≥45	16	28	45	0/+5	Die, Ceramic QFN or Plastic QFN
RA3210	0.5~6	SPDT Reflection	≤1.1	≥35	20	—	—	0/+5 0/-5	Die, Ceramic QFN or Plastic QFN
RA3211	0.5~6	SPDT Non-Reflection	≤1.1	≥40	20	—	—	0/+5 0/-5	Die, Ceramic QFN or Plastic QFN



RA3212	1.5~12	SPDT Non-Reflection	≤ 2.15	≥ 38	19	—	—	0/+5 0/-5	Die, Ceramic QFN or Plastic QFN
RA3216	DC~12	SPDT Non-Reflection	≤ 2.3	≥ 40	15	30	45	0/-5	Die, Ceramic QFN or Plastic QFN

2) SPST SWITCH

index Part#	Freq (GHz)	Description	Insertion Loss (dB)	Isolation (dB)	On-State VSWR	Off-State VSWR	Control Voltage (V)	Package Style
RA3207	DC~12	SPST Non-Reflection	≤ 1	≥ 36	1.2	1.5	0/-5	Die, Ceramic QFN or Plastic QFN
RA3208	DC~12	SPST Reflection	≤ 1.2	≥ 55	1.4	—	0/+5	Die, Ceramic QFN or Plastic QFN
RA3209	DC~20	SPST Reflection	≤ 2	≥ 55	1.4	—	0/+5	Die, Ceramic QFN or Plastic QFN



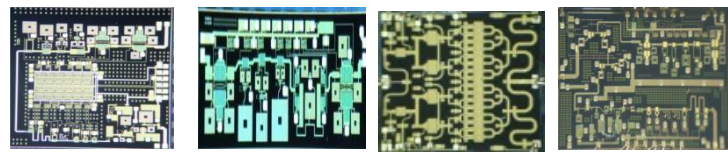
2) SP3T SWITCH

index Part#	Freq (GHz)	Description	Insertion Loss (dB)	Isolation (dB)	Return Loss (dB)	P ₋₁ dB Input (dBm)	IP3 dB Input (dBm)	Control Voltage (V)	Package Style
RA3213	0.5~3.5	SP3T Non-Reflection	≤1.2	≥38	19	—	—	0/+5	Die, Ceramic QFN or Plastic QFN
RA3214	DC~8	SP3T Non-Reflection	≤1.5	≥40	15	—	—	0/+5	Die, Ceramic QFN or Plastic QFN
RA3215	DC~8	SP3T Non-Reflection	≤1.5	≥40	15	—	—	0/+5	Die, Ceramic QFN or Plastic QFN

1.7MIXER

1) Upconverter

index Part#	RF Freq (GHz)	LO Freq (GHz)	IF Freq (GHz)	Conversion Gain (dB)	LO-RF Isolation	LO Drive (dBm)	Power consumption (V/mA)	Package Style
RA3501	2.0~3.5	2.0~3.5	DC~0.6	8	40	0	5/85	Die, Ceramic QFN or Plastic QFN

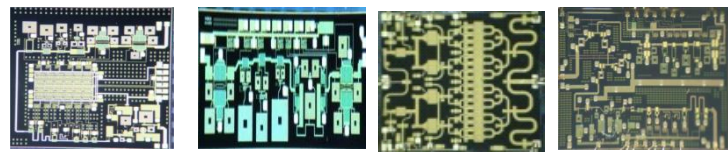


2) Downconverter

index Part#	RF Freq (GHz)	LO Freq (GHz)	IF Freq (GHz)	Conversion Gain (dB)	NF	LO-RF Isolation	LO Drive (dBm)	Power consumption (V/mA)	Package Style
RA3502	2.0~3.5	2.0~3.5	DC~0.6	13	6.5	45	0	5/85	Die, Ceramic QFN or Plastic QFN
RA3503	2.0~3.5	2.0~3.5	DC~0.6	13	6.5	45	0	5/85	Die, Ceramic QFN or Plastic QFN

3) Double Balanced Mixer

index Part#	RF Freq (GHz)	LO Freq (GHz)	IF Freq (GHz)	Conversion Loss (dB)	LO-RF Isolation	LO-IF Isolation	RF-IF Isolation	LO Drive (dBm)	Package Style
RA3504	7.0~14	7.0~14	DC~3	8	40	35	20	13	Die, Ceramic QFN or Plastic QFN
RA3505	3.5~9	3.5~9	DC~1	9	45	35	22	13	Die, Ceramic QFN or Plastic QFN
RA3506	11~20	11~20	DC~4	8	40	30	20	13	Die, Ceramic QFN or Plastic QFN
RA3509	5~10	5~10	DC~4	8	38	32	12	13	Die, Ceramic QFN or Plastic QFN

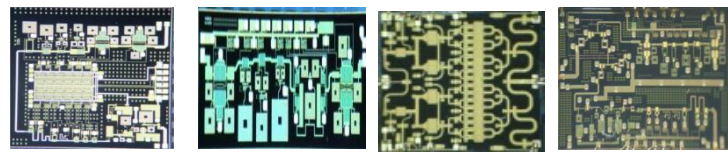


4) Double Balanced Mixer With LO-Drive

index Part#	RF Freq (GHz)	LO Freq (GHz)	IF Freq (GHz)	Conversion Loss (dB)	LO-RF Isolation	LO-IF Isolation	LO Drive (dBm)	Power consumption (V/mA)	Package Style
RA3507	0.9~3	0.9~3.0	DC~1	8	35	30	0	5/30	Die, Ceramic QFN or Plastic QFN
RA3508	2.0~6	2.0~6.0	DC~2	8	28	25	0	5/45	Die, Ceramic QFN or Plastic QFN

1.8 Power Divider

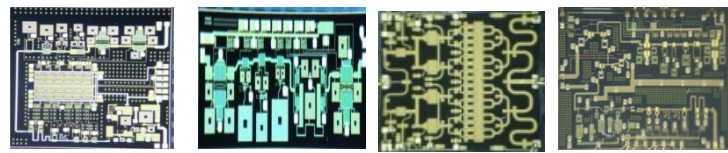
index Part#	Freq (GHz)	Description	Insertion Loss (dB)	Insertion Flatness (dB)	Input VSWR (TYP)	Output VSWR (TYP)	Isolation (dB) (TYP)	Package Style
RA3801	2~20	0°Two-Way Divider	2.5	±1	1.3	1.2	20	Die, Ceramic QFN or Plastic QFN
RA3802	6~18	0°Two-Way Divider	0.8	±0.2	1.3	1.2	25	Die, Ceramic QFN or Plastic QFN
RA3803	6~18	0°Three-Way Divider	1.5	±0.2	1.2	1.1	30	Die, Ceramic QFN or Plastic QFN
RA3804	8~12	0°Two-Way Divider	0.8	±0.1	1.2	1.1	35	Die, Ceramic QFN or Plastic QFN
RA3805	18~26	0°Two-Way Divider	0.5	±0.15	1.2	1.1	18	Die, Ceramic QFN or Plastic QFN



RA3806	26~32	0°Two-Way Divider	0.6	±0.15	1.2	1.1	20	Die, Ceramic QFN or Plastic QFN
RA3807	8~12	0°Two-Way Divider	0.8	±0.05	1.3	1.2	25	Die, Ceramic QFN or Plastic QFN
RA3808	2~6	0°Two-Way Divider	0.7	±0.07	1.3	1.2	20	Die, Ceramic QFN or Plastic QFN

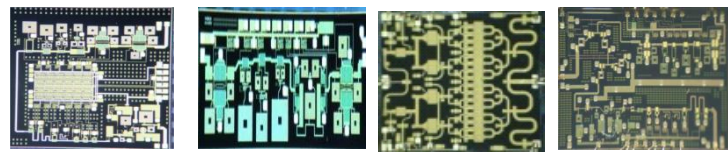
1.9 Low Noise FET

index Part#	Freq (GHz)	Gain(dB)	NF(dB)	P ₋₁ dB Output (dBm)	IP3 dB Output (dBm)	Package Style
RA2501	0.1~8	28	0.5	21	21	Die, Ceramic QFN or Plastic QFN
RA2502	0.1~8	21	0.8	20	20	Die, Ceramic QFN or Plastic QFN



1.10 Equalizer

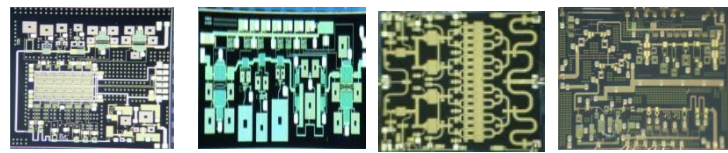
index Part#	Freq (GHz)	Insertion Loss (dB)	Slope (dB)	Input VSWR (TYP)	Output VSWR (TYP)	Package Style
RA3702	1~20	2.5@20GHz	4	1.2	1.2	Die, Ceramic QFN or Plastic QFN
RA3703	1~20	2.8@20GHz	8	1.2	1.2	Die, Ceramic QFN or Plastic QFN
RA3704	0.5~6	0.4@6GHz	2	1.2	1.2	Die, Ceramic QFN or Plastic QFN
RA3705	1~10	0.8@10GHz	3	1.2	1.2	Die, Ceramic QFN or Plastic QFN
RA3706	1~10	0.8@10GHz	5	1.2	1.2	Die, Ceramic QFN or Plastic QFN



2.0 Multifunctional Chip

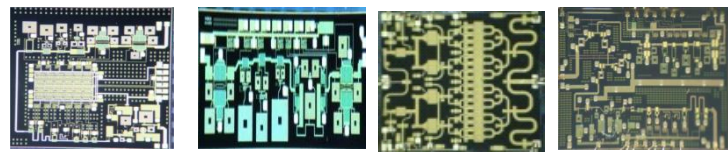
1) Multifunctional Switch-Attenuator-Phase Shifter w/o Amplifier

index Part#	Freq (GHz)	Description	Insertion Loss (dB)	RMS of Phase error (°)	RMS of Attenuation Accuracy (dB)	Control Voltage (V)	Size (mm)
RA3601	2.7~3.1	Integrated switch, 2-bit phase shifter, 4-bit attenuator	3.5	0.8	0.08	+5/0	3.1×1.25×0.1
index Part#	Freq (GHz)	Description	Gain(dB)	RMS of Phase error (°)	RMS of Attenuation Accuracy (dB)	Control Voltage (V)	Size (mm)
RA3602	1.98~2.3	Integrated 12-bit serial to parallel chip, amplifier, 6-bit phase shifter, 6-bit attenuator	16.5	1.5	0.5	+5/0	3.2×3.2×0.1
RA3603	5~6	Integrated Switch, amplifier, 6-bit phase shifter, 6-bit attenuator	10.5	2.5	0.3	+5/0	5.0×3.5×0.1



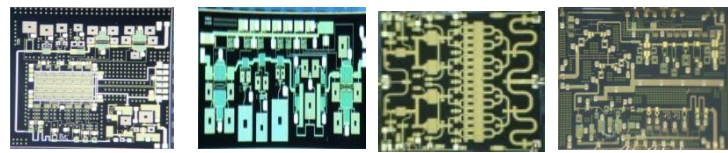
2) Multifunctional mixer

index Part#	RF Freq (GHz)	LO Freq (GHz)	IF Freq (GHz)	Conversion Gain (dB)	Description	LO Drive (dBm)	Power consumption (V/mA)
RA3604	0.7~2.0	0.7~2.0	DC~1	6	Integrated Double balanced mixer with LO-Drive and Switch, bilateral amplifier	0	5/80+50
RA3605	2.5~5.0	2.5~5.0	0.65~1.5	16	Integrated Double balanced mixer with LO-Drive and Switch, bilateral amplifier,3-bit attenuator	0	—
RA3606	8.0~12	10.8~14.8	2.8	-8	Integrated Switch mixer and Low-pass Filter	-3	5/70
RA3607	8.0~12	10.8~14.8	2.8	5	Integrated Switch. mixer. amplifier and Low-pass Filter	-3	5/110



3) bilateral amplifier

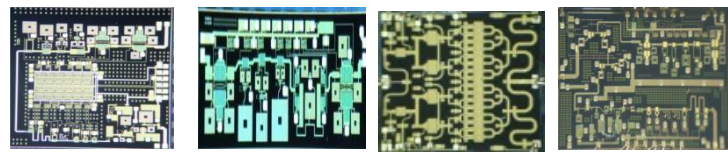
index Part#	Freq (GHz)	Description	Gain (dB)	P ₋₁ dB Output (dBm)	Operating Voltage (v)	Operating Current (mA)	Die, Ceramic Size (mm)
RA3608	2.0~4.0	Realization of switch transceiver and amplify	25.5	16	±5	80	3.3×2.4×0.1
RA3609	0.7~5.0	Realization of switch transceiver and amplify	21	16	±5	120	2.5×2.1×0.1



3.0 Microwave Modules

1) Switch Filter Banks

	Part#		RA1001	
	Band#1	Band#2	Band#3	Band#4
	4400~4532 (BW@0.5dBp=132MHz)	4532~4664 (BW@0.5dBp=132MHz)	4664~4796 (BW@0.5dBp=132MHz)	4796~4928 (BW@0.5dBp=132MHz)
Insertion Loss(dB)	2.9			
Isolation (dB)	85(between ports)			
Return Loss(dB)	17	16	17	18
Input IP3 (dBm)	55			
Power(W)	20			
Switching Time (uSec)	0.2			
Rejection (dB)	77@4000~4250 MHz 79@4664~5500 MHz	77.5@4000~4400 MHz 82@4795~5500 MHz	72@4000~4532 MHz 81@4928~5500 MHz	73.5@4000~4664 MHz 78@5100~5500 MHz
Out-of-band Rejection (dB)	85@0.1~4 GHz & 5.5~10 GHz			



Group delay variation (nS)	5	6	8	5
Power supply	5V/220mA -12V/1mA			

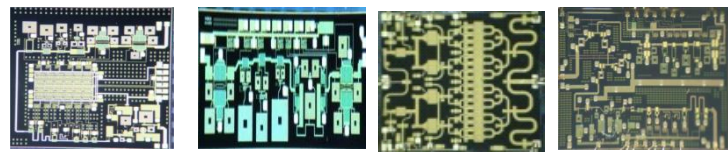
2) E-Band PA Module

index Part#	Freq (GHz)	Gain (dB)	P _{SAT} (dBm)	Input VSWR	Output VSWR	Power consumption (V/A)	Package Style
RA1002	59~61	30	33	2	2	(8~12)/6	WR-15 Waveguide with UG385/U Flange

4.0 New Product

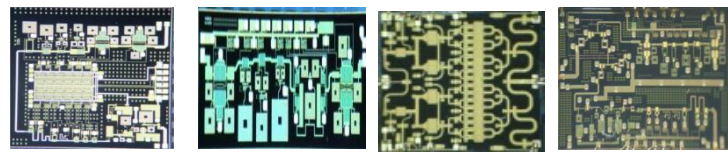
1) Low Noise Amplifiers

index Part#	Freq (GHz)	Gain (dB)	Gain flatness (dB)	NF (dB)	Input VSWR	Output VSWR	P ₋₁ dB Output (dBm)	Power consumption (V/mA)	Package Style
RA3039	8~12	28	1.2	1.1	1.4	1.4	8	5/38	Die, Ceramic QFN or Plastic QFN
RA3040	5~6	28	1.2	0.85	1.3	1.3	8	5/38	Die, Ceramic QFN or Plastic QFN



2) Driver Amplifiers

index Part#	Freq (GHz)	Gain (dB)	Gain flatness (dB)	NF (dB)	Input VSWR	Output VSWR	P ₋₁ dB Output (dBm)	Power consumption (V/mA)	Package Style
RA3910	22~38	12	-	3	1.8	2	22	5/-	Die, Ceramic QFN or Plastic QFN
RA3911	24~40	12	-	3.5	1.8	2	13	5/-	Die, Ceramic QFN or Plastic QFN
RA3912	22~38	10	-	3.5	1.8	1.8	13	5/-	Die, Ceramic QFN or Plastic QFN
RA3913	8~12	18	-	-	1.8	1.8	32	6/-	Die, Ceramic QFN or Plastic QFN
RA3914	14~18	16	-	-	2	1.8	32	6/-	Die, Ceramic QFN or Plastic QFN



3) Power Amplifiers

index Part#	Freq (GHz)	Gain (dB)	P _{SAT} (dBm)	PAE	Power consumption (V/A)	Package Style
RA3104	28~30	20	32	-	6/-	Die, Ceramic QFN or Plastic QFN
RA3105	31~37	20	35	-	6/-	Die, Ceramic QFN or Plastic QFN
RA3106	27~33	18	33	-	6/-	Die, Ceramic QFN or Plastic QFN
RA3107	8~12	31	47	40	28/-	Die, Ceramic QFN or Plastic QFN
RA3108	2~4	27	47	40	28/-	Die, Ceramic QFN or Plastic QFN
RA3109	4~8	27	47	40	28/-	Die, Ceramic QFN or Plastic QFN