

14. HPA / LPA



FEATURE

- Multi-carrier Operation
- Excellent Inter Modulation Distortion
- High Efficiency & High Reliability
- Control, Alarm & Monitoring
- Auto Level Control

APPLICATION

- TETRA, GSM, WCDMA, LTE, 5G
- Repeater, Booster, DAS



■ HPA / LPA

FM/VHF-band High Power AMP(30~230MHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RPA59B58G37P37SN	30~88MHz	37dB	37dBm/CW	OIP3 56dBm@34dBm 2Tone	50V/1.5A
RPA59B58G43P43SN	30~88MHz	43dB	43dBm/CW	OIP3 64dBm@40dBm 2Tone	50V/2.5A
RPA59B58G49P46SN	30~88MHz	49dB	46dBm/CW	OIP3 70dBm@43dBm 2Tone	50V/5A
RPA59B58G43P43SS	30~88MHz	43dB	43dBm/CW	-64dBc@40dBm 2Tone	27V/5A
RPA271B482G45P33SS	30~512MHz	45dB	33dBm/CW	-58dBc@30dBm 2Tone	24V/3A
RPA163.5B163G35P36SS	87~240MHz	35dB	36dBm/CW	-44dBc@33dBm 2Tone, P1dB = 45dBm	27V/3A
RPA163.5B163G35P36SS	87~240MHz	45dB	36dBm/CW	-35dBc@(30dBm)x(CW 2Tone), 500KHz Spacing,	27V/3.5A
RPA278.5B383G50P40SS	87~470MHz	50dB	40dBm/CW	-36dBc@2Tone/100KHz	27V/5A
RPA98B20G47P33SS	88~108MHz	47dB	33dBm/CW40tone	-40dBc@31dBm, -30dBc@37dBm	27V/1.4A
RPA98B20G50P40SS	88~108MHz	50dB	40dBm/CW20tone	-45dBc@+40dBm	27V/3.5A
RPA98B20G60P47SS	88~108MHz	60dB	47dBm/CW	-48dBc@44dBm 2Tone	27V/8A
RPA98B20G47P33SS	88~108MHz	47dB	33dBm/CW	-50dBc@30dBm 2Tone	27V/2.5A
RPA98B20G50P40SS	88~108MHz	50dB	40dBm/CW	-50dBc@37dBm 2Tone	27V/4A
RPA98B20G50P40SS	88~108MHz	50dB	40dBm/CW	-45dBc@27dBm 20Tone,-54dBc @18dBm 12Tone	27V/3.5A
RPA98B20G47P33SS	88~108MHz	47dB	33dBm/CW	-50dBc@30dBm 2Tone	27V/2.5A
RPA150B20G50P45SN	100~200MHz	50dB	45dBm/CW	-60dBc@42dBm 2Tone	28V/8A
RPA161B50G37P37SN	136~174MHz	37dB	37dBm/CW	OIP3 56dBm@34dBm 2Tone	50V/1.5A
RPA161B50G43P43SN	136~174MHz	43dB	43dBm/CW	OIP3 64dBm@40dBm 2Tone	50V/2.5A
RPA161B50G49P46SN	136~174MHz	49dB	46dBm/CW	OIP3 70dBm@43dBm 2Tone	50V/5A
RPA155B38G47P37SS	136~174MHz	47dB	37dBm/CW	OIP3 56dBm@34dBm 2Tone	27V/3A
RPA150B20G50P43SS	140~160MHz	50dB	43dBm/CW	-40dBc@40dBm 2Tone	28V/7A
RPA161B38G43P43SN	142~180MHz	43dB	43dBm/CW	OIP3: +60dBm@2tone/1MHz	50V/3A
RPA161B38G46P46SN	142~180MHz	46dB	46dBm/CW	OIP3: +63dBm@2tone/1MHz	50V/6A
RPA160B20G50P45SS	150~170MHz	50dB	45dBm/CW	-40dBc@42dBm 2Tone	28V/7.0A
RPA165B05G39P36NN	163~168MHz	39dB	36dBm/CW	-50dBc@28dBm 6Tone	50V/3A
RPA165B05G45P39SN	163~168MHz	45dB	39dBm/CW	-55dBc@31.5dBm 6Tone	50V/3A
RPA207B66G50P40SS	174~240MHz	50dB	40dBm/CW	-62dBc@26dBm 2Tone,-54dBc @18dBm 12Tone	27V/3.5A
RPA207B66G50P27SS	174~240MHz	50dB	27dBm/CW	-36dBm@5dBm 12Tone	27V/1A
RPA207B66G50P30SS	174~240MHz	50dB	30dBm/CW	-36dBm@8dBm 12Tone	27V/1.5A
RPA207B66G50P37SS	174~240MHz	50dB	37dBm/CW	-36dBm@15dBm 12Tone	27V/3A
RPA207B66G50P43SS	174~240MHz	50dB	43dBm/CW	-36dBm @(30Bm)x(CW2Tone)/500KHz,-36dBm @ (22dBm)x(CW12Tone)/500KHz	27V/
RPA210B60G45P33SS	180~240MHz	45dB	33dBm/CW	-50dBc@30dBm 2Tone	27V/3A
RPA210B60G45P36SS	180~240MHz	45dB	36dBm/CW	-50dBc@33dBm 2Tone	27V/5A
RPA227.5B5G50P43SS	225~230MHz	50dB	43dBm/CW	-36dBm @(30Bm)x(CW2Tone)/500KHz,-36dBm @ (22dBm)x(CW12Tone)/500KHz	27V/6A

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TETRA-band High Power AMP(300~600MHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RPA400B40G55P48SN	300~450MHz	55dB	48dBm/CW	-60dBc@45dBm 2Tone	28V/10A
RPA400B20G55P50SN	300~450MHz	55dB	50dBm/CW	-50dBc@47dBm 2Tone	28V/12A
RLA347.5B25G45P38SS-A	335~360MHz	45dB	38dBm/CW	-66dBc@35dBm 2Tone	27V/2.0A
RLA340B8G45P38SS	336~344MHz	45dB	38dBm/CW	-74dBc@35dBm 2Tone	27V/2A
RLA340B8G45P40SS	336~344MHz	45dB	40dBm/CW	-66dBc@37dBm 2Tone	27V/2A
RLA382.5B5G45P38SS	380~385MHz	45dB	38dBm/CW	-74dBc@35dBm 2Tone	27V/2A
RLA387.5B15G45P38SS	380~395MHz	45dB	38dBm/CW	-74dBc@35dBm 2Tone	27V/2A
RLA400B40G45P36SS	380~400MHz	45dB	36dBm/CW	-66dBc @4Tone 36dBm	27V/2A
RLA390B20G45P38SS	380~400MHz	45dB	38dBm/CW	-74dBc@35dBm 2Tone	27V/1.6A
RLA400B5G54P43SN	380~420MHz	54dB	43dBm/CW	-76dBc@40dBm 2Tone	28V/7A
RLA400B5G54P46SN	380~420MHz	54dB	46dBm/CW	-70dBc@43dBm 2Tone	28V/15A
RLA400B5G54P43SS	380~420MHz	54dB	43dBm/CW	-36dBm@40dBm 2Tone	27V/7A
RLA407.5B40G45P38SS	387.5~427.5MHz	45 dB	38dBm/CW	-71dBc@35dBm 2Tone	27V/2A
RLA392.5B05G45P37SS	390~395MHz	45dB	37dBm/CW	-66dBc@34dBm 2Tone	27V/2A
RPA392.5B5G30P28SS	390~395MHz	30dB	28dBm/CW	-36dBm@25dBm 2Tone	27V3A
RPA392.5B5G35P33SS	390~395MHz	35dB	33dBm/CW	-36dBm@30dBm 2Tone	27V/3A
RLA410B05G45P37SS	390~410MHz	45dB	37dBm/CW	-74dBc@34dBm 2Tone	27V/1.5A
RLA410B40G45P38SS	390~430MHz	45dB	38dBm/CW	-74dBc@35dBm 2Tone	27V/2A
RLA410B40G45P40SS	390~430MHz	45dB	40dBm/CW	-68dBc@37dBm 2Tone	27V/2.5A
RLA410B40G45P38SS	390~430MHz	45dB	38dBm/CW	-74dBc@35dBm 2Tone	27V/1.6A
RPA429B78G30P33SS	390~468MHz	30dB	33dBm/CW	-30dBm@25dBm 6Tone	27V/3A
RLA392.5B5G54P43SN	390~395MHz	45dB	43dBm/CW	-33dBm@40dBm 2Tone	27V/4.5A
RLA420B20G45P38SS	410~430MHz	45dB	38dBm/CW	-71dBc@35dBm 2Tone	27V/2A
RPA422.5B5G35P33SS	420~ 425MHz	35dB	33dBm/CW	-66Bc@30dBm 2Tone	28V/3A
RPA422.5B5G35P33SS	420~425MHz	35dB	33dBm/CW	-36dBm@30dBm 2Tone	28V/3A
RLA440B40G45P36SS	420~460MHz	45dB	36dBm/CW	-66dBc @4Tone 36dBm	27V/2A
RPA425B6G30P28SS	422~428MHz	30dB	28dBm/CW	-36dBm@25dBm 2Tone	27V3A
RLA450B40G45P38SS-A	430~470MHz	45dB	38dBm/CW	-71dBc@35dBm 2Tone	27V/2.0A
RLA450B20G45P38SS	440~460MHz	45dB	38dBm/CW	-71dBc@35dBm 2Tone	27V/2A
RLA460B20G45P38SS-B	450~470MHz	45dB	38dBmCW	-71dBc@35dBm 2Tone	27V/1.55A
RLA465B30G43P40NN	450~480MHz	43dB	40dBm/CW	-52dBc@32dBm 6Tone	27V/4A
RLA470B05G70P46SN	450~490MHz	70dB	46dBm/CW	-60dBc@43dBm 2Tone	27V/13.5A
RLA472.5B35G50P48SN	455~490	50dB	48dBm/CW	-60dBc@2Tone/100KHz	27v/15A
RPA500B20G50P46SN	450~600MHz	50dB	46dBm/CW	-55dBc@43dBm 2Tone	28V/8A
RLA470.5B35G40P42SN	453~488MHz	40dB	42dBm/CW	-58dBc@35dBm 5Tone	27V/5A
RPA465B6G30P28SS	462~468MHz	30dB	28dBm/CW	-36dBm@25dBm 2Tone	27V3A
RLA469B2G45P38SS	468~470MHz	45dB	38dBm/CW	-71dBc@35dBm 2Tone	27V/2A
RLA485B10G43P43NN	480~490MHz	40dB	43dBm/CW	-52dBc@32dBm 10Tone	27V/5.5A

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UHF-band High Power AMP(700~1000MHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RPA750B20G50P45SN	700~800MHz	50dB	45dBm/CW, LTE	-60dBc@42dBm 2Tone	27V/8A
RLA742.5B29G41P35SS	728~757MHz	41dB	35.5dBm/CW	-68dBc@32.5dBm 2Tone	28V/1.7A
RPA742.5B29G45P38SS	728~757MHz	45dB	38dBm/CW	-71dBc@35dBm 2Tone	27V/2A
RPA742.5B29G41P35SS	728~757MHz	41dB	35.5dBm/CW	-13dBm (E-UTRA Category A)	28V/1.7A
RPAX760.5B65G55P45SN	728~793MHz	55dB	45dBm/LTE	-45dBc@ ±10MHz, -50dBc@ ±20MHz	28V/3.76A
RPAXN760.5B65G55P43SN	728~793MHz	55dB	43dBm/LTE	-45dBc@ ±10MHz, -50dBc@ ±20MHz	28V/2A
RLA745B65G45P38SS_LTE	728~793MHz	45dB	38dBm/LTE	-45dBc@ ±10MHz, -50dBc@ ±20MHz	27V/2A
RPA748.5B39G50P48SN	729~768MHz	50dB	48dBm/LTE	-45dBc@ ±10MHz, -50dBc@ ±20MHz	28V/8A
RPA748.5B39G45P40SSDPD-LTE	729~768MHz	45dB	40dBm/LTE	-28dBc@10MHz (pre-DPD)	28V/1A
RPA745B22G35P25SS-LTE	734~756MHz	35dB	25dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	12V/1.2A
RPA780.5B45G50P38SS	758~803MHz	50dB	38dBm/CW	3rd IMD -58dBc@2tone/100KHz	27V/3A
RLA766.5B1G56P45SS	766~767MHz	56dB	45dBm/CW	-60dBc@4tone,20tone/200KHz	27V/8A
RPA773B66G50P38SS	740~806MHz	50dB	38dBm	-58dBc@35dBm 2Tone	27V/5A
RPA822.5B105G49P36SS	770~875MHz	49dB	36dBm/CW	-20dBc@33dBm 2Tone	28V/2.5A
RLA806B30G45P38SS	791~821MHz	45dB	38dBm/CW	-70dBc@35dBm 2Tone	27V/3A
RPA806B30G45P30SS	791~821MHz	45dB	30dBm/LTE	-45dBc@ ±10MHz, -50dBc@ ±20MHz	27V/1.0
RPA806B30G55P40SS	791~821MHz	45dB	40dBm/LTE, 50dBm P1	-45dBc@ ±10MHz, -50dBc@ ±20MHz	29V/9.5A
RPA806B30G55P40SS	791~821MHz	55dB	40dBm/LTE	-45dBc@ ±10MHz, -50dBc@ ±20MHz	29V/4.5A
RPA806B30G45P38SS	791~821MHz	45dB	38dBm/LTE	-45dBc@ ±10MHz, -50dBc@ ±20MHz	28V/2.5A
RPA1750B1900G45P33SS	800~2700MHz	45dB	33dBm/CW	-27dBc@30dBm 2Tone	27V/3A
RLA850B25G45P38SS	800~900MHz	45dB	38dBm/CW	71dBc / 2tone(35dBm)	27V/1.6A
RPA850B25G45P38SS	800~900MHz	45dB	38dBm/CW, GSM, LTE	-71dBc@35dBm 2Tone	27V/5A
RPA850B25G45P43SS	800~900MHz	45dB	43dBm /CW, GSM, LTE	-60dBc@60dBm 2Tone	27V/6A
RPA850B25G55P48SN	800~900MHz	55dB	48dBm/CW, GSM, LTE	-55dBc@45dBm 2Tone	27V/10A
RPA850B20G55P50SN	800~900MHz	55dB	50dBm/CW, GSM, LTE	-50dBc@47dBm 2Tone	27V/12A
RPA813.5B15G52P33SS	806~821MHz	52dB	33dBm/CW	-66dBc@30dBm 2Tone	27V/1.5A
RLA815.5B19G40P40SS	806~825MHz	40dB	40dBm/CW	-65dBc@37dBm 2Tone	27V/4A
RLA815.5B19G40P40SS-D	806~825MHz	40dB	40dBm/CW	-60dBc@37dBm 2Tone	28V/3A
RLA848B42G72P48SN	806~890MHz	72dB	48dBm/CW	-39dBc @±750KHz, -57dBc @±1.98MHz	27V/20A
RLA881.5B25G45P38SS	824~849MHz	45dB	38dBm/CW	-35dBm@2CW/100KHz	27V/2A
RPA850B25G45P43SS-LTE	837.5~862.5MHz	45dB	43dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	27A/3A
RPA850B25G45P38SS-LTE	837.5~862.5MHz	45dB	38dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/2.5A
RLA852.5B05G45P47SN	850~855MHz	45dB	47dBm/CW	-60dBc@39dBm 6Tone	27V/15A
RLA852.5B05G49P47NN	850~855MHz	49dB	47dBm/CW	-52dBc@35dBm 12Tone	27V/15A
RPA858.5B15G52P33SS	851~866MHz	52dB	33dBm/CW	-36dBm@30dBm 2Tone	27V/1.5A
RLA860B18G56P45SS	851~869MHz	56dB	45dB/CW	-60dBc@4tone,20tone/200KHz	27V/8A
RLA860.5B19G40P40SS	851~870MHz	40dB	40dBm/CW	-65dBc@37dBm 2Tone	27V/4A

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UHF-band High Power AMP(700~1000MHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RLA860.5B19G40P40SS-D	851~870MHz	40dB	40dBm/CW	-60dBc(-23dBm), 2tone(37dBm)	28V/3A
RLA872.5B43G54P43SS	851~894MHz	54dB	43dBm/CW	60dBc / 8tone	27V/6A
RPA872.5B43G50P45SN	851~894MHz	50dB	44.7dBm/CW	50dBc / 2tone(41.7dBm)	27V/11A
RPA876.5B35G45P33SS	859~894MHz	45dB	33dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/2A
RPA876.5B35G45P38SS	859~894MHz	45dB	38dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/3.5A
RPA876.5B35G45P45SS	859~894MHz	45dB	45dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/13A
RPA876.5B35G45P45SS	859~894MHz	45dB	45dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	27V/13A
RPA876.5B35G50P48SN	859~894MHz	50dB	48dBm/LTE	-45dBc@±10MHz,-50dBc@±20MHz	28V/8A
RLA881.5B25G41P35SS	869~894MHz	41dB	35.5dBm/CW	70dBc / 2tone(52.5dBm)	27V/1.7A
RPA881.5B43G50P45SN	869~894MHz	50dB	35dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/2A
RLA881.5B25G54P47SS	869~894MHz	54dB	47dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	28V/15A
RPA881.5B25G45P40SS	869~894MHz	45dB	40dBm/LTE	-45dBc@ ±10MHz, -50dBc@ ±20MHz	27V/2A
RPA881.5B25G45P33SS	869~894MHz	45dB	33dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/1.5A
RLA881.5B25G45P40SS_GSM	869~894MHz	45dB	40dBm/CW	-63dBc@37dBm 2Tone	27V/3.0A
RPA881.5B25G45P35SS	869~894MHz	45dB	35dBm/WCDA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/2A
RPA881.5B25G45P45SN	869~894MHz	45dB	45dBm/LTE	-45dBc@±10MHz,-50dBc@±20MHz	28V/5A
RPA881.5B25G47P36SS-LTE	869~894MHz	47dB	36dBm/LTE	-45dBc@10MHz,-50dBc@20MHz	28V/1.5A
RPA881.5B25G45P40SSDPD-LTE	869~894MHz	45dB	40dBm/LTE	-28dBc@10MHz (pre DPD)	28V/1A
RPA881.5B25G47P45SN-LTE	869~894MHz	47dB	45dBm/LTE	-45dBc@10MHz,-50dBc@20MHz	28V/5A
RPA881.5B25G47P45SS-LTE	869~894MHz	47dB	45dBm/LTE	-45dBc@10MHz,-50dBc@20MHz	28V/5A
RPA881.5B25G35P25SS-LTE	869~894MHz	35dB	25dBm/LTE	-45dBc@10MHz,-50dBc@20MHz	12V/1.2A
RPA940B40G45P38SS	920~960MHz	45dB	38dBm/CW	-70dBc@35dBm 2Tone	27V/1.5A
RLA940B40G50P42SS	920~960MHz	50dB	42dBm/CW	-73dBc@39dBm 2Tone	27V/5A
RLA942.5B35G54P46SN	920~960MHz	54dB	46dBm/CW	-70dBc@43dBm 2Tone	28/15A
RLA940B40G45P38SS	920~960MHz	45dB	38dBm/CW	-35dBm@35dBm 3Tone	27V/2A
RPA940B40G45P38SS-LTE	920~960MHz	45dB	38dBm/LTE	-45dBc@10MHz,-50dBc@20MHz	28V/2.5A
RPA940.5B39G58P40SS	921~960MHz	49dB	40dBm/CW	-56dBc@35dBm 2Tone	27V/6.5A
RPA942.5B35G40P40SS	925 ~960MHz	40dB	40dBm/CW	-26dBc@37dBm 2Tone	27V/4A
RPA942.5B35G41P31SS	925~960MHz	41dB	31dBm/CW	-36dBc@28dBm 2Tone	28V/2A
RLA942.5B35G41P35SS	925~960MHz	41dB	35dBm/CW	-72dBc@32dBm 2Tone	27V/4A
RPA942.5B35G40P39SS	925~960MHz	40dB	39.5dBm/CW	OIP3=50dBm@36dBm/1tone	27V/0.9A
RPA942.5B35G45P36SS	925~960MHz	45dB	36dBm/CW	-54dBc/ 2tone(33dBm)	27V/3A
RPA942.5B35G30P41SS	925~960MHz	30dB	41.8dBm/CW	OIP3=51dBm@ 39dBm 2Tone	27V/1.8A
RPA942.5B35G40P40SS	925~960MHz	40dB	40dBm/CW	-26dBc@32dBm 2Tone	27V/4A
RPA942.5B35G50P46SS	925~960MHz	50dB	46dBm/CW	-36dBc@43dBm 2Tone	27V/12A
RLA942.5B35G54P48SS-C	925~960MHz	54dB	48dBm/CW	-60dBc / 10tone	48V/10A
RLA942.5B35G41P35SS	925~960MHz	41dB	35dBm/CW	-39dBm@32dBm 2Tone	27V/1.5A
RLA942.5B35G45P38SS_GSM	925~960MHz	45dB	38dBm/CW	-36dBm@35dBm 2Tone	27V/2A
RLA942.5B35G45P40SS-CW	925~960MHz	45dB	40dBm/CW	-70dBc@37dBm 2Tone	27V/4.0A

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UHF-band High Power AMP(700~1000MHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RLA942.5B35G45P43SS-CW	925~960MHz	45dB	43dBm/CW	-60dBc@40dBm 2Tone	27V/5.0A
RPA942.5B35G45P33SS	925~960MHz	45dB	33dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/1.5A
RPA942.5B35G45P40SS	925~960MHz	45dB	40dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/4.0A
RLA942.5B35G45P40SS	925~960MHz	45dB	40dBm/CW	-36dBm@37dBm 2Tone	27V/3.5A
RLA942.5B35G50P42SS	925~960MHz	50dB	42dBm/CW	-30dBm@39dBm 2Tone	27V/5A
RPA942.5B35G45P40SSDPD-LTE	925~960MHz	45dB	40dBm/LTE	-28dBc@10MHz (pre-DPD)	28V/1A
RLA947.5B25G54P43SS	935~960MHz	54dB	43dBm/CW	-60dBc@8Tone 43dBm	27V/5.5A
RLA940B4G56P45SS	938~942MHz	56dB	45dBm/CW	-60dBc@4tone,20tone/200KHz	27V/8A
RPA950B20G50P45SN	940~960MHz	50dB	45dBm/CW	-50dBc@42dBm 2Tone	27V/11A
RLA958B15G54P48SS	951~966MHz	54dB	48dBm/CW	-65dBc@45dBm 2Tone	27V/15A

L-band High Power AMP(1~2GHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RPA1200B20G50P43SS	1190~1210MHz	50dB	43dBm/CW	-60dBc@40dBm 2Tone	27V/8A
RPA1500B400G55P50SN	1300~1700MHz	55dB	50dBm/CW	OIP1 50dBm	28V/13A
RPA1500B20G50P43SS	1490~1510GHz	50dB	43dBm/CW	-60dBc@40dBm 2Tone	27V/8A
RPA1600B200G49P45SS	1500~1700MHz	49dB	45dBm/CW	OIP3 55dBm@42dBm 2Tone	24V/7A
RPA1600B200G49P33SS	1500~1700MHz	49dB	33dBm/CW	OIP3 43dBm@30dBm 2Tone	24V/2A
RPA1600B200G56P53SS	1500~1700MHz	56dB	53dBm/CW	OIP3 58dBm@50dBm,100KHz	50V/14A
RPA1600B200G56P53SS	1500~1700MHz	56dB	53dBm/CW	OIP3 58dBm@50dBm,100KHz	28V/24A
RPA1600B200G50P49SS	1500~1700MHz	50dB	49dBm/CW		28V/9A
RPA1950B500G30P40SS	1700~2200MHz	30dB	40dBm/CW	-40dBc@ 2Tone 42dBm	28V/4.5A
RPA1747.5B35G41P42SS	1730~1765MHz	50dB	42dBm/CW	OIP3 = 57dBm @ 42dBm	27V/3A
RPA1850B25G45P38SS	1800~1900MHz	45dB	38dBm/CW, GSM	-71dBc@35dBm 2Tone	27V/5A
RPA1850B30G50P45SN	1800~1900MHz	50dB	45dBm/CW, GSM	-60dBc@42dBm 2Tone	27V/8A
RLA1850B30G45P38SS	1800~1900MHz	45dB	38dBm/CW	-71dBc@35dBm 2Tone	27V/1.5A
RPA2000B400G35P40SS	1800~2200MHz	35dB	40dBm/CW	Not Assigned	27V/2A
RLA1817.5B25G50P43SS	1805~1830MHz	50dB	43dBm/CW	-70dBc@41dBm 2Tone	27V/6A
RLA1821.9B35G54P43SS	1805~1840MHz	54dB	43dBm/CW	-65@ 2Tone 43dBm, -60@16Tone 43dBm	27V/6A
RLA1822.5B35G54P43SS	1805~1840MHz	54dB	43dBm/CW	-65@ 2Tone 43dBm, -60@16Tone 43dBm	27V/6A
RLA1842.5B75G41P35SS	1805~1880MHz	41dB	35dBm/CW	-70dBc@32dBm 2Tone	27V/2A
RLA1842.5B75G45P36SS	1805~1880MHz	45dB	36dBm/CW	-54dBc@33dBm 2Tone	27V/4A
RLA1842.5B75G45P38SS	1805~1880MHz	45dB	38dBm/CW	-60dBc@35dBm 2Tone	27V/3A
RLA1842.5B75G50P40SS	1805~1880MHz	50dB	40dBm/CW	-70dBc@37dBm 2Tone	27V/3.5A
RPA1842.5B75G40P40SS	1805~1880MHz	40dB	40dBm/CW	-26dBc@37dBm 2Tone	27V/4A
RLA1842.5B60G54P46SN	1805~1880MHz	54dB	46dBm/CW	-70dBc@43dBm 2Tone	28V/15A

■ HPA / LPA

L-band High Power AMP(1~2GHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RLA1842.5B75G41P35SS	1805~1880MHz	41dB	35dBm/CW	-38dBm@32dBm 2Tone	27V/2A
RLA1842.5B75G50P40SS	1805~1880MHz	50dB	40dBm/CW	-33dBm@37dBm 2Tone	27V/3.5A
RLA1842.5B75G45P40SS	1805~1880MHz	45dB	40dBm/CW	-30dBm@37dBm 2Tone	27V/3.5A
RLA1850B25G45P38SS	1805~1880MHz	45dB	38dBm/CW	-71dBc@35dBm 2Tone	27V/2.5A
RLA1842.5B20G45P43SS	1805~1880MHz	45dB	43dBm/CW	-71dBc@40dBm 2Tone	27V/4.5A
RLA1842.5B75G45P40SS-CW	1805~1880MHz	45dB	40dBm/CW	-70dBc@37dBm 2Tone	27V/4.0A
RLA1842.5B75G45P43SS-CW	1805~1880MHz	45dB	43dBm/CW	-60dBc@40dBm 2Tone	27V/5.0A
RPA1842.5B75G45P33SS	1805~1880MHz	45dB	33dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/1.5A
RPA1842.5B75G45P40SS	1805~1880MHz	45dB	40dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/4.0A
RPA1842.5B75G47P36SS-LTE	1805~1880MHz	47dB	36dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/1.5A
RPA1842.5B75G47P45SN-LTE	1805~1880MHz	47dB	45dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/10A
RPA1842.5B75G45P40SSDPD-LTE	1805~1880MHz	45dB	40dBm/LTE	-28dBc@10MHz (pre-DPD)	28V/1A
RPA1842.5B75G45P38SS-LTE	1805~1880MHz	45dB	38dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/2.5A
RLA1821.9B11G50P43SS	1816.4~1827.4MHz	50dB	43dBm/CW	-70dBc@40dBm 2Tone	27V/6A
RPA1842.5B35G30P41SS	1825~1860MHz	30dB	41.8Bm/CW	OIP3=51dBm@39dBm 2Tone	27V/1.8A
RLA1850B20G53P48SN	1840~1860MHz	53dB	48dBm/CW, CDMA	-50dBc@±885kHz, -53dBc@±1.98MHz	27V/20A
RLA1860B40G54P43SS	1840~1880MHz	54dB	43dBm/CW	-65dBc@40dBm 2Tone, -60dBc@16Tone 43dBm	27V/6A
RPA1880B60G47P36SS-LTE	1850~1910MHz	47dB	36dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/1.5A
RLA1865B10G50P46SS	1860~1870MHz	50dB	46dBm/CDMA 7FA	-38dBc@±885kHz, -44dBc@±1.98MHz	27V/14A
RPA1950B30G45P43SS	1900~2000MHz	45dB	43dBm/CW, WCDMA	-60dBc@40dBm 2Tone -50dBc@±5MHz, -53dBc@±10MHz	27V/6A
RPA1950B30G50P46SN	1900~2000MHz	50dB	46dBm/CW, WCDMA	-55dBc@43dBm 2Tone -50dBc@±5MHz, -53dBc@±10MHz	27V/8A
RPA1950B30G55P48SN	1900~2000MHz	55dB	48dBm/CW	-55dBc@45dBm 2Tone	27V/10A
RPA1950B30G55P48SN	1900~2000MHz	55dB	48dBm/CW, WCDMA	-55dBc@45dBm 2Tone -50dBc@±5MHz, -53dBc@±10MHz	27V/10A
RPA1930B20G45P37SS	1920~1940MHz	45dB	37dBm/CW, CDMA	-28dBc@±750kHz, -38dBc@±1.98MHz	27V/4A
RLA1940B40G45P39SS	1920~1960MHz	45dB	39dBm/CW	-65dBc@36dBm 2Tone	27V/5A
RPA1960B60G45P33SS	1930~1990MHz	45dB	33dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/1.5A
RPA1960B60G47P36SS-LTE	1930~1990MHz	47dB	36dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/1.5A
RPA1960B60G45P40SSDPD-LTE	1930~1990MHz	45dB	40dBm/LTE	-28dBc@10MHz (pre-DPD)	28V/1A
RPA1960B60G47P45SN-LTE	1930~1990MHz	47dB	45dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/6A
RPA1960B60G47P45SS-LTE	1930~1990MHz	47dB	45dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/6A
RPA1960B60G35P25SS-LTE	1930~1990MHz	35dB	25dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	12V/1.2A
RLA1962.5B65G50P35SS	1930~1995MHz	41dB	35.5dBm/CW	-70dBc@32.5dBm 2Tone	28V/2A
RPA1962.5B65G41P35SS	1930~1995MHz	41dB	35.5dBm/CDMA1FA	-42dBc@±885kHz, -52dBc@±1.98MHz	28V/2.3A
RLA1962.5B65G50P45SN	1930~1995MHz	50dB	45dBm/CDMA 11FA	-45dBc@±885kHz, -47dBc@±1.98MHz	27V/13A
RPA1960B60G50P48SN	1930~1990MHz	50dB	48dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	28V/8A
RPA1960B60G45P40SSDPD	1930~1990MHz	45dB	40dBm/LTE, DPD	-28dBc@±10MHz, -32dBc@±20MHz	28V/2A
RPA1960B60G45P45SN	1930~1990	45dB	45dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	28V/5A

■ HPA / LPA

S-band High Power AMP(2~4GHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RPA2150B30G45P43SS	2100~2200MHz (30MHz BW)	45dB	43dBm/CW, WCDMA	-60dBc@40dBm 2Tone -50dBc@±5MHz, -53dBc@±10MHz	27V/6A
RPA2150B30G50P46SN	2100~2200MHz (30MHz BW)	50dB	46dBm/CW, WCDMA	-55dBc@43dBm 2Tone -50dBc@±5MHz, -53dBc@±10MHz	27V/8A
RPA2150B30G55P49SN	2100~2200MHz (30MHz BW)	55dB	49dBm/CW, WCDMA	-50dBc@46dBm 2Tone -50dBc@±5MHz, -53dBc@±10MHz	28V/12A
RLA2130B40G54P49SN	2110~2150MHz	54dB	49dBm/WCDMA 2,4,6FA	-48dBc@±5MHz, -52dBc@±10MHz	27V/17A
RLA2140B60G41P35SS	2110~2170MHz	41dB	35.5dBm/CW	-70dBc@32.5dBm 2Tone	28V/2A
RLA2140B60G45P38SS	2110~2170MHz	45dB	38dBm/CW	-60dBc@2Tone 38dBm	27V/3A
RPA2140B60G40P40SS	2110~2170MHz	40dB	40dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/6A
RPA2140B60G45P43SS	2110~2170MHz	45dB	43dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/8A
RPA2140B20G70P45SN	2110~2170MHz (20MHz BW)	70dB	45dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/12A
RPA2140B60G35P38SS	2110~2170MHz	35dB	38dBm/CW	-60dBc@35dBm 2Tone	27V/2.5A
RLA2140B60G45P38SS_WCDMA	2110~2170MHz	45dB	38dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/2.5A
RPA2140B60G41P36SS	2110~2170MHz	41dB	36dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/2.5A
RLA2140B60G45P40SS-CW	2110~2170MHz	45dB	40dBm/CW	-70dBc@37dBm 2Tone	27V/4.0A
RLA2140B60G45P43SS-CW	2110~2170MHz	45dB	43dBm/CW	-60dBc@40dBm 2Tone	27V/5.0A
RPA2140B60G45P33SS	2110~2170MHz	45dB	33dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/1.5A
RPA2140B60G45P40SS	2110~2170MHz	45dB	40dBm/WCDMA	-45dBc@±5MHz, -50dBc@±10MHz	27V/4.0A
RPA2140B60G45P40SSDPD	2110~2170MHz	45dB	40dBm/LTE, DPD	-28dBc@±10MHz, -32dBc@±20MHz	28V/2A
RPA2140B60G45P45SN	2110~2170MHz	45dB	45dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	28V/5A
RPA2140B60G47P36SS-LTE	2110~2170MHz	47dB	36dBm/LTE	-45dBc@10MHz, -50dBc@20MHz	28V/1.5A
RPA2140B60G45P40SSDPD-LTE	2110~2170MHz	45dB	40dBm/LTE	-28dBc@10MHz (pre-DPD)	28V/1A
RLA2135B30G55P48SS	2120~2150MHz	55dB	47.8dBm/WCDMA 6FA	-32dBc@±5MHz, -32dBc@±10MHz	28V/9A
RPA2150B30G45P43SS	2135~2165MHz	45dB	43dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	29.4V/8A
RPA2150B30G50P46SN	2135~2165MHz	50dB	46dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	29.4V/9.5A
RPA2160B20G50P43SS	2150~2170MHz	50dB	43dBm/CW	-50dBc@40dBm 2Tone	29.4V/7A
RLA2160B20G55P45SN	2150~2170MHz	55dB	45dBm/WCDMA	-50dBc@±5MHz, -55dBc@±10MHz	27V/12A
RPA2160B20G50P46SS	2150~2170MHz	50dB	46dBm/CW	-50dBc@43dBm 2Tone	29.4V/8A
RPA2250B100G45P44SS	2200~2300MHz	45dB	44dBm/CW	-45dBc@35dBm 2Tone	28V/4.5A
RPA2300B20G45P43SS	2290~2310MHz	50dB	43dBm/CW	-60dBc@40dBm 2Tone	27V/6A
RPA2300B20G50P46SN	2290~2310MHz	50dB	46dBm/CW	-60dBc@43dBm 2Tone	27V/8A
RPA2350B100G45P33SS_CW	2300~2400MHz	45dB	33dBm/CW	P1 33dBm	12V/1.5A
RPA2350B100G45P37SS_CW	2300~2400MHz	45dB	37dBm/CW	P1 37dBm	12V/2.5A
RPA2350B100G45P33SS	2300~2400MHz	45dB	33dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/2A
RPA2350B100G45P33SS-TDD	2300~2400MHz	45dB	33dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/2A
RPA2350B100G45P38SS	2300~2400MHz	45dB	38dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/3.5A
RPA2350B100G45P45SS	2300~2400MHz	45dB	45dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/13A
RPA2350B100G45P40SS	2300~2400MHz	45dB	40dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	27V/3A

■ HPA / LPA

S-band High Power AMP(2~4GHz)

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RPA2350B100G45P33SS-TDLTE	2300~2400MHz	45dB	33dBm/ TD-LTE	-45dBc@±10MHz,-50dBc@±20MHz	28V/1A
RPA2500B400G44P37SS	2300~2700MHz	44dB	37dBm/CW	-43dBc@34dBm 2Tone, 42dBm P1	26V/3.8A
RPA2350B100G45P36SS-TDLTE	2300~2400MHz	45dB	36dBm/TD-LTE	-45dBc@±10MHz,-50dBc@±20MHz	28V/2A
RPA2350B100G45P35SS-TDLTE	2300~2400MHz	45dB	35dBm/TD-LTE	-45dBc@±10MHz,-50dBc@±20MHz	28V/1.5A
RLA2345B27G55P47SN	2331.5~2358.5MHz	55dB	47dBm/WiBro 3FA	-43dBc@±4.77MHz, -43dBc@±8.73MHz	27V/15A
RPA2593B194G30P35SS	2496~2690MHz(100MHz)	30dB	35dBm/CW	-16dBm@32dBm 2Tone	28V/1.5A
RPA2600B30G50P43SS	2500~2700MHz	50dB	43dBm/CW, WiMAX	-60dBc@40dBm 2Tone	27V/6A
RPA2600B30G50P45SN	2500~2700MHz	50dB	45dBm/CW, WiMAX	-60dBc@42dBm 2Tone	27V/8A
RPA2600B30G55P46SN	2500~2700MHz	55dB	46dBm/CW, WiMAX	-55dBc@43dBm 2Tone	28V/10A
RLA2600B30G50P43SS	2500~2700MHz	50dB	43dBm/CW	-60dBc@40dBm 2Tone	27V/6A
RPA2585B30G45P33SS	2570~2600MHz	45dB	33dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/2A
RPA2585B30G45P38SS	2570~2600MHz	45dB	38dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/3.5A
RPA2585B30G45P45SS	2570~2600MHz	45dB	45dBm/WCDMA	-45dBc@ ±5MHz, -50dBc@ ±10MHz	27V/13A
RLA2655B70G45P38SS	2620~2690MHz	45dB	38dBm/CW	-60dBc@35dBm 2Tone	27V/3A
RLA26235B70G45P36SS	2620~2690MHz	33dB	36dBm/LTE	-63dBc@33dBm 2Tone	27V/3A
RPA2655B70G45P38SS	2620~2690MHz	45dB	38dBm/LTE	-45@ ±10MHz, -50 @ ±20MHz	28V/2.4A
RLA2655B70G45P38SS_LTE	2620~2690MHz	45dB	38dBm/LTE	-45@ ±10MHz, -50 @ ±20MHz	27V/2.5A
RLA2655B70G45P40SS-CW	2620~2690MHz	45dB	40dBm/CW	-70dBc@37dBm 2Tone	27V/4.0A
RLA2655B70G45P43SS-CW	2620~2690MHz	45dB	43dBm/CW	-60dBc@40dBm 2Tone	27V/5.0A
RPA2655B70G45P38SS	2620~2690MHz	45dB	38dBm/LTE	-45dBc@±10MHz,-50dBc@±20MHz	28V/2.5A
RPA2655B70G45P45SN	2620~2690MHz	45dB	45dBm/LTE	-45dBc@±10MHz,-50dBc@±20MHz	28V/5A
RPA2593B194G45P33SS	2496~2690MHz	45dB	33dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	27V/2A
RPA2593B194G45P40SS	2496~2690MHz	45dB	40dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	27V/5A
RPA2650B100G45P40SS	2600~2700MHz	45dB	40dBm/LTE	-45dBc@±10MHz,-50dBc@±20MHz	27V/3A
RPA2655B70G45P40SSDPD-LTE	2620~2690MHz	45dB	40dBm/LTE	-28dBc@10MHz (pre-DPD)	28V/1A
RPA2655B70G45P46SS-LTE	2620~2690MHz	45dB	46dBm/LTE	-45dBc@10MHz,-50dBc@20MHz	28V/7A
RPA2645B30G50P43SS-LTE	2630~2660MHz	50dB	43dBm/LTE	-45dBc@10MHz,-50dBc@20MHz	28V/3.5A
RLA2642.5B25G53P48SN	2630~2655MHz	53dB	48dBm/CFR 8.5 Source	-45dBc@±25MHz	27V/20A
RLA2650B40G45P38SS	2630~2670MHz	45dB	38dBm/CW	-70dBc@35dBm 2Tone	27V/2A
RLA2650B40G45P38SS	2630~2670MHz	45dB	38dBm/CW	-70dBc@35dBm 2Tone	27V/2A
RPA2800B20G45P45SN	2800MHz(20MHz BW)	45dB	45dBm/CW	-55dBc@42dBm 2Tone	27V/8A
RPA3000B20G45P43SS	3000MHz(20MHz BW)	45dB	43dBm/CW	-55dBc@40dBm 2Tone	27V/8A
RPA3350B100G45P40SS	3300~3400MHz(60MHz)	45dB	40dBm/LTE	-45dBc@±10MHz,-50dBc@±20MHz	27V/3A
RPA3500B200G45P33SS	3400~3600MHz	45dB	33dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	27V/2A
RPA3500B200G45P40SS	3400~3600MHz	45dB	40dBm/LTE	-45dBc@±10MHz, -50dBc@±20MHz	27V5A
RPA3550B100G50P38SS	3499.5~3599.5MHz	50dB	38dBm/CW, 5.27M 2FA	-30dBc@±5.27MHz	30V/2A
RPA3600B10G45P40SS	3600MHz(10MHz BW)	45dB	40dBm/CW	-50dBc@37dBm 2Tone	27V/8A
RLA3675B50G45P38SS	3650~3700MHz	45dB	38dBm/CW	-68dBc@35dBm 2Tone	27V/2A
RPA4000B10G45P40SS	4000MHz(10MHz BW)	45dB	40dBm/CW	-50dBc@37dBm 2Tone	27V/8A

E-band High Power AMP

Part No	Frequency	Gain	Power	IMD/ACLR	DC
RPA73500G14P16W12	71~76GHz	14dB	16dBm	P1dB +16dBm	5V/0.8A
RPA83500G15P16W12	81~86GHz	18dB	16dBm	P1dB +16dBm	5V/0.8A

DIMENSION

