



Active Splitters

CATV Subscribers

Product	Description	Package Size (mm)	Gain (dB) Typ	Noise Figure (dB) Typ	CTB (dBc) Typ	CSO (dBc) Typ	XMOD (dBc) Typ	Current Consumption (mA) Typ
APS3606	Active Splitter	5 x 5 x 1	3.5	4.5	-70	-66	-67	175
APS3611	870 GHz Two-way Active Power Splitter	3 x 3 x 1	3.5	5.0	-74	-67	-66	120
APS3623	Three-way Active Splitter Optimized for MoCA-Enabled Subscriber Equipment	3 x 3 x 1	5.0	4.5	-77	-65	-72	140
APS3625	Five-way active power splitter	4 x 4 x 1	4.0	4.8	-70	-60	-67	130

LTE Power Amplifiers

Wireless Infrastructure

Product	Description	Output Power (dBm)	Power Added Efficiency (%)	Gain (dB)	Supply Voltage (V)	Package (mm)
AWB7122	1.805 - 1.880 GHz Small-Cell Power Amplifier Module	+24.5	16	30	4.5	7 x 7 x 1.3
AWB7123	1.93 GHz to 1.99 GHz Small-Cell Power Amplifier Module	+24.5	18	32	4.2	7 x 7 x 1.3
AWB7124	728 - 768 MHz Small-Cell Power Amplifier Module	+24.5	14.5	30	4.5	7 x 7 x 1.3
AWB7125	860 - 894 MHz Small-Cell Power Amplifier Module	+24.5	16	30	4.2	7 x 7 x 1.3
AWB7127	2.11 GHz to 2.17 GHz Small-Cell Power Amplifier Module	+24.5	18	32	4.2	7 x 7 x 1.3
AWB7128	2.545 - 2.69 GHz Small-Cell Power Amplifier Module	+24.5	16	28	4.2	7 x 7 x 1.3
AWB7129	925 - 960 MHz Small-Cell Power Amplifier Module	+24.5	16	30	4.2	7 x 7 x 1.3
AWB7222	1.805 - 1.880 GHz Small-Cell Power Amplifier Module	+27	14	32	4.5	7 x 7 x 1.3
AWB7223	1.93 - 1.995 GHz Infrastructure Small-Cell Power Amplifier Module	+27	14	29	4.5	7 x 7 x 1.3
AWB7224	728 to 768 MHz Small-Cell Power Amplifier Module	+27	13	29	4.5	7 x 7 x 1.3
AWB7225	860 MHz to 894 MHz Small-Cell Power Amplifier Module	+27	14	29.5	4.5	7 x 7 x 1.3
AWB7227	2.11 to 2.17 GHz Small-Cell Power Amplifier Module	+27	14	29	4.5	7 x 7 x 1.3
AWB7228	2.545 to 2.69 GHz Small-Cell Power Amplifier Module	+27	14	27	4.5	7 x 7 x 1.3

12v Line Amplifiers

CATV Infrastructure

Product	Description	Gain (dB) Min	Gain (dB) Max	Noise Figure (dB) Typ	CTB (dBc) Max	CSO (dBc) Max	XMOD (dBc) Max	Supply Current (mA) Typ
ACA0861A	750/860 MHz CATV Line Amplifier MMIC	11.4	12.4	3	-64	-66	-56	180
ACA0861B	750/860 MHz CATV Line Amplifier MMIC	11.5	12.5	3	-57	-60	-50	310
ACA0861C	750/860 MHz CATV Line Amplifier MMIC	11.5	12.5	3	-68	-68	-62	260
ACA0861D	750/860 MHz CATV Line Amplifier MMIC	11.6	12.6	3	-66	-68	-61	450
ACA0862B	1 GHz CATV Line Amplifier MMIC	10.7	11.7	4	-70	-68	-65	395
ACA0862D	1 GHz CATV Line Amplifier MMIC	10.8	11.8	4	-78	-68	-72	530
ACA1205	750/870 MHz CATV Line Amplifier MMIC	14.5	15.5	2.5	-64	-66	-56	180
ACA1206	1 GHz CATV Line Amplifier MMIC	13.7	14.7	3	-69	-68	-61	195 @ R1 = 5.2 kΩ 325 @ R1 = 2 kΩ

24v Line Amplifiers

CATV Infrastructure

Product	Description	Gain (dB) Min	Gain (dB) Max	Noise Figure (dB) Typ	CTB (dBc) Typ	CSO (dBc) Typ	XMOD (dBc) Typ	Supply Current (mA) Typ
ACA2402	750/870/1000 MHz CATV Push-Pull Line Amplifier MMIC	21.1	22.1	3.5	-73	-72	-65	250
ACA2402E	750/870 MHz CATV Push-Pull Line Amplifier MMIC	21.0	22.5	3.5	-66	-62	-60	250
ACA2407	750/870/1000 MHz CATV Power Doubler Line Amplifier MMIC	20.8	22.1	4.0	-71	-66	-66	425
ACA2407E	750/870 MHz CATV Power Doubler Line Amplifier MMIC	20.4	22.4	4.0	-65	-60	-60	425
ACA2420	24V, 1000MHz High Output Power Doubler Line Amplifier MMIC	21.5 (Typ)	TBD	6.5	-78	-71	-64	520
ACA2782	1 GHz Power Doubler Hybrid Amplifier	20.8 (Typ)	TBD	3.5	-75	-70	-68	425
ACA2786	1 GHz Power Doubler Hybrid Amplifier	25 (Typ)	TBD	4.0	-82	-74	-72	420
ACA2788	1 GHz, 28 dB Gain CATV Power Doubler Amplifier	27	29	3.5	-70	-70		430
ACA3742	870MHz Power Doubler Hybrid Amplifier	19.5	22	3.5	-73	-76	-68	430

Product	Description	Gain (dB) Min	Gain (dB) Max	Noise Figure (dB) Typ	CTB (dBc) Typ	CSO (dBc) Typ	XMOD (dBc) Typ	Supply Current (mA) Typ
ACA3748	870 MHz, 25 dB Gain CATV Power Doubler Amplifier	24	26	5.0	-65	-65		430
ACA3754	870 MHz, 28 dB Gain CATV Power Doubler Amplifier	27.0	29.0	3.5	-65	-65		430

Upconverters and Downconverters

CATV Infrastructure & Subscriber

Product	Description	RF Frequency (MHz)	IF Frequency (MHz)	Phase Noise at 10 KHz Offset (dBc/Hz) Typ	Phase Noise at 10 KHz Offset (dBc/Hz) Max	Conversion Gain (dB) Typ	Noise Figure (dB) Typ	Power Consumption (mW) Typ
ACD0900	VHF/UHF CATV/TV Tuner Downconverter	900 to 1200	35 to 150	-89	-85.5	9.5	8.0	400
ACU2109	Wideband Tuner Upconverter	50 to 860	900 to 1200	-89	-84	8.0	6.5	770
ACU50752	CATV/TV/Cable Modem Upconverter	50 to 860	900 to 1200	-84	-81	8.0	6.5	600