

## Amplifier MMICs for CATV/SMATV

Last update : 2009. 12. 29.

Parts	Vs (V)	Ic (mA)	G (dB)	GF (+/-)	NF (dB)	S11 (dB)	S22 (dB)	OP1dB (dBm)	OIP2 (dBm)	IIP3 (dBm)	OIP3 (dBm)	Output Level (dBmV / chnl)	CSO (dBc)	CTB (dBc)	Package	Remark
ASW205	5	70	24.5	0.2	3.5	-20	-15	18			31.0				SOT89	Data @ 100MHz within 5~200MHz
	5	70	24.3	0.5	3.7	-10	-13	17.5	42.5		32.5				SOT89	50~860MHz
ASL550	8	120	17.0	0.2	2.0	-15	-17	25		27.0	43	25.0	74 (116 ch)	75 (116 ch)		50~1000MHz
	8	120	17.0	0.5	2.0	-18	-20	25		26.0	42	25.0	74 (116 ch)	75 (116 ch)		50~1000MHz
	5	92	17.0	0.3	2.0	-14	-14	21			39.0	20.0	66 (160 ch)	76 (160 ch)		50~1000MHz
	8	120	17.0	0.2	2.0	-13	-15	25		27.0	43	25.0	74 (116 ch)	75 (116 ch)		Positive gain slope, 50~1000MHz
	8	120	12	0.2	2.2	-14	-18	20		26.0	37				SOT89	Low gain, 50~1000MHz
	8	120	16.4	0.4	2.1	-15	-14	25.5		27.6	43					Data @ 100MHz within 5~200MHz
	8	120	17.2	0.2	2.1	-15	-20	24.5		27.8	44					Data @ 100MHz within 5~200MHz
	8	120	16.5	0.7	2.5	-12	-18	24		25.0	40.5					Data @ 1.8GHz within 950~2600MHz
	8	120	14.5	0.9	1.7~3.4	-7	-10	20~24			37~42					90~2600MHz
ASW311 (p-p)	5	240	10.8	0.2	3.5	-12	-15	24	71		43.0	42.0	65 (60 ch)	66 (60 ch)	SOT89	Push-pull data @ 50~1000 MHz
ASW338 (p-p)	8	240	14.3	0.1	2.8	-11	-10	28	65		45.0	44.0	67 (60 ch)	64 (60 ch)	SOT89	Push-pull data @ 50~1000 MHz
ASL550 (p-p)	8	240	14.9	0.4	2.7	-15	-18	26.5	69	28.1	43.0	46.0	65 (60 ch)	68 (60 ch)	SOT89	Push-pull data @ 50~1000 MHz
ASL552 <sup>(1)</sup>	8	240	14.9	0.3	2.8	-15	-18	26	74	29.1	44.0	42.0	76 (60 ch)	73 (60 ch)		Push-pull data @ 50~860 MHz
	8	240	15.0	0.5	2.8	-15	-14	27	78	30.0	45.0				SOIC8	Push-pull data @ 5~200 MHz
	8	240	16.0	0.3	2.7	-15	-15	27	77	29.0	45.0					Push-pull data @ 5~200 MHz
	8	100	15.0	0.5	2.6	-16	-16	22	76	22.0	37.0					Push-pull data @ 5~200 MHz
ASL330	5	105	16.0	0.3	1.8	-12	-15	21	51	25.0	41.0	20.0	66 (160 ch)	76 (160 ch)	SOT89	50~1000MHz
ASW220	5	75	17.1	0.3	3.4	-20	-18	18	49	19.9	37.0				SOT89	Data @ 100MHz within 5~200MHz
	5	75	16.9	0.4	3.5	-20	-14	18	51	20.1	37.0				SOT89	50~870MHz
ASL560	8	130	18.3	0.0	1.7	-14	-18	25	53	24.7	43.0				SOT89	50~1000MHz
ASL360	5	110	18.0	0.0	1.4	-14	-18	21	53	22.0	40.0				SOT89	50~1000MHz
ASL772	8	400	21.3	1.2	1.7	-15	-14	29	71	20.7	42.0				SOIC8	50~860MHz
ASF240	5.05	115	26.0	1.0	2.1	-14	-10	19.5	46	6.0	32.0				SOT89	50~860MHz

(p-p) means the data in push-pull configuration

(1) Push-pull chip