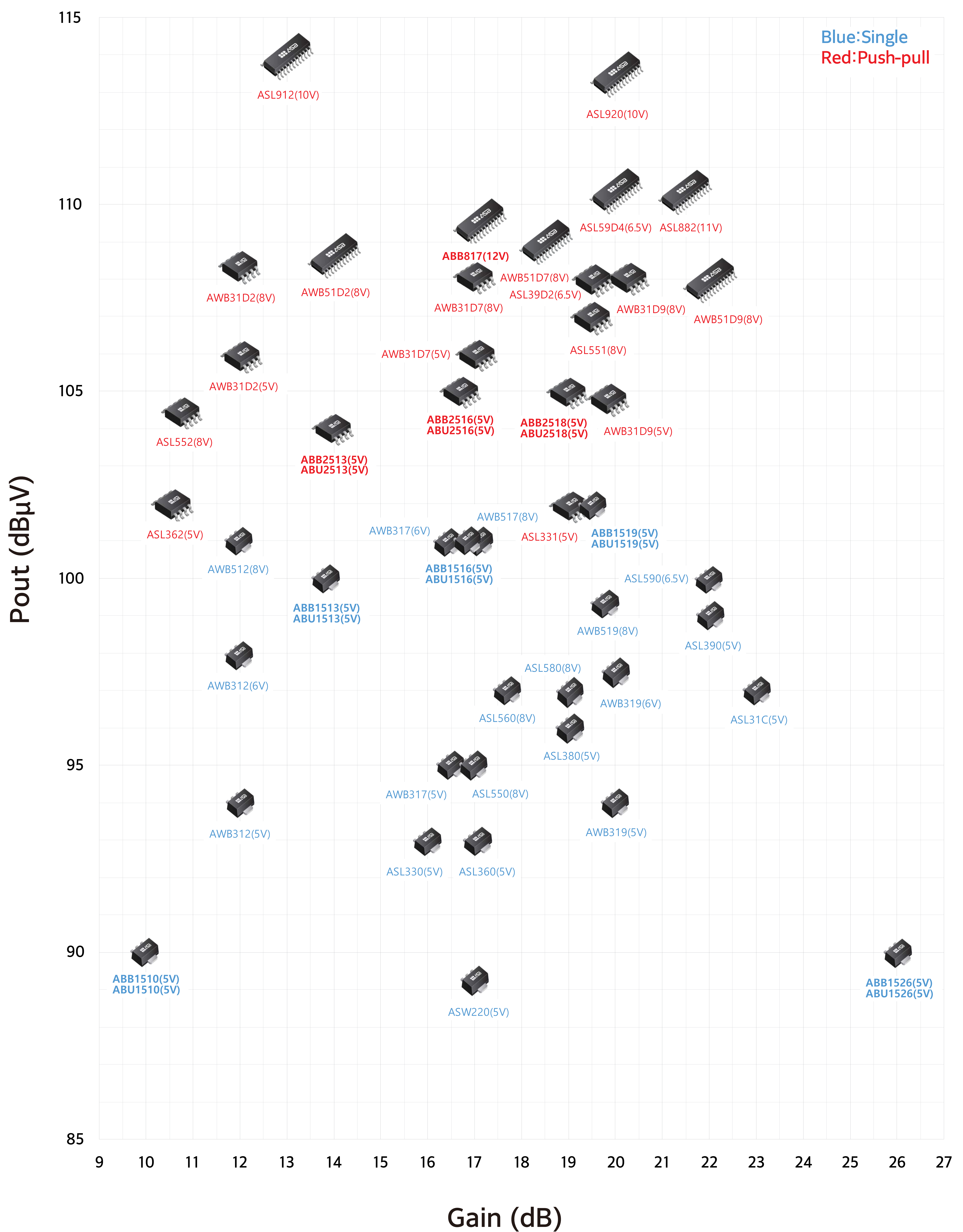


GaAs CATV Amplifier Portfolio

Output Power at CSO & CTB > 60 dBc, CENELEC-42 ch

www.asb.co.kr



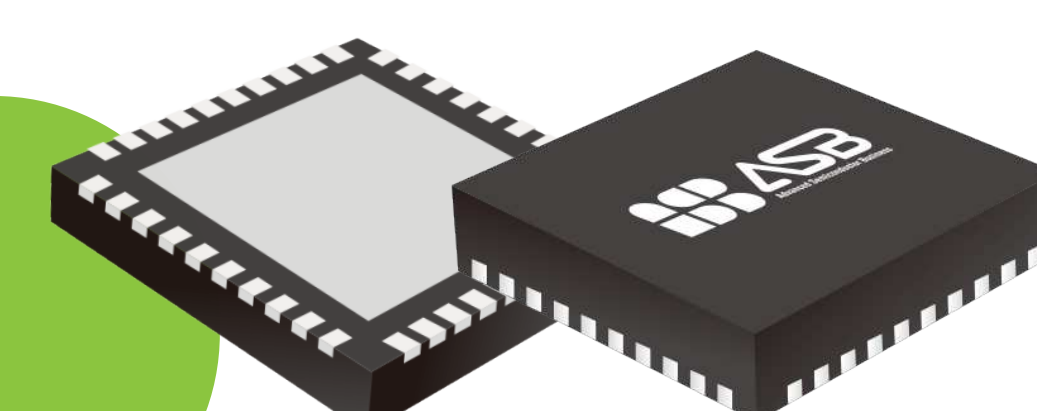


CATV High Power Amplifier

50~1200 MHz

www.asb.co.kr

AGN922 **GaN** Power Doubler



24 V, Outstanding High Power Linearity

- Gain 23 dB
- Current 480 mA
- **Pout 111 dBμV**
@ BER < 1E-9, 121 ch flat, 256 QAM

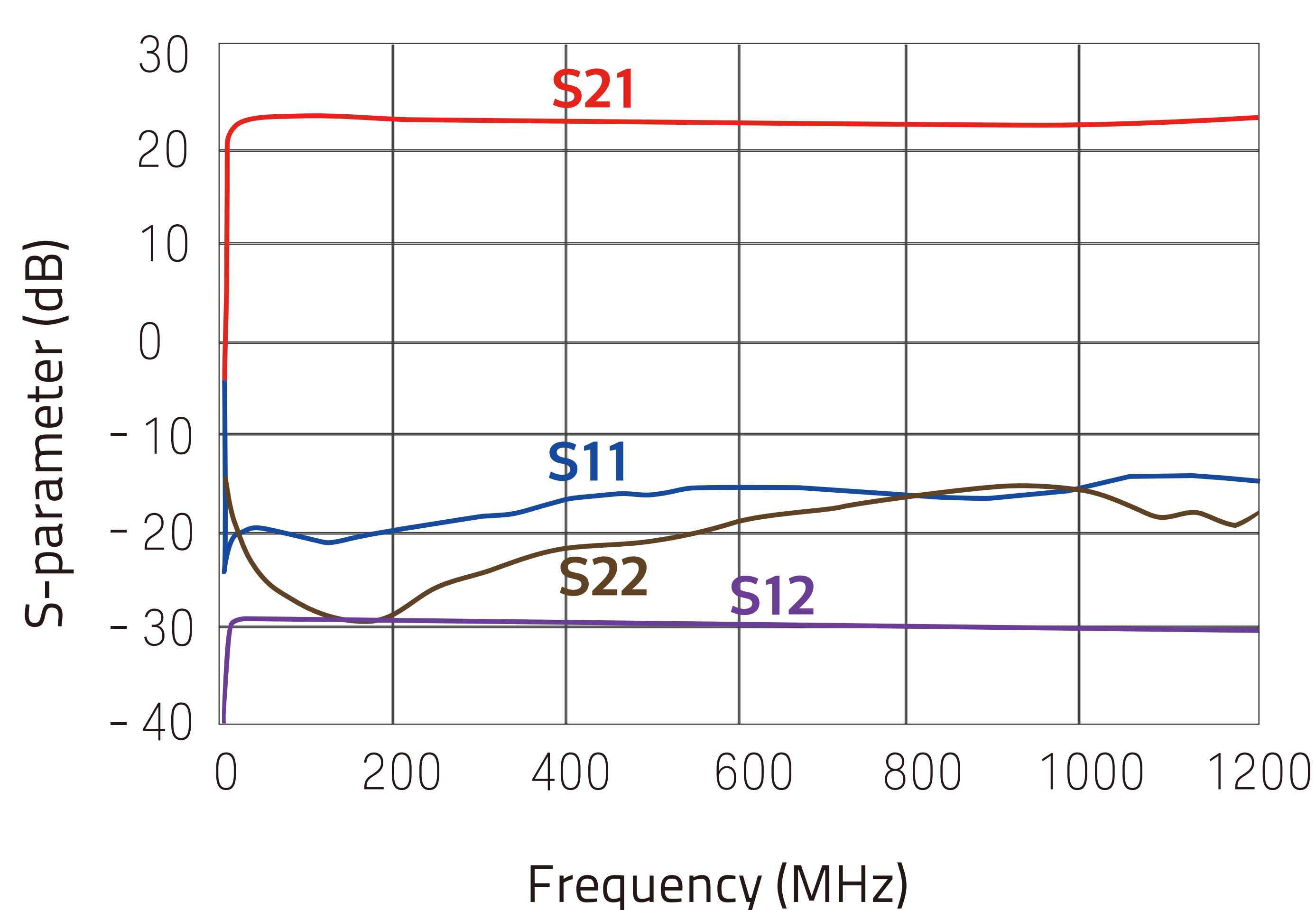
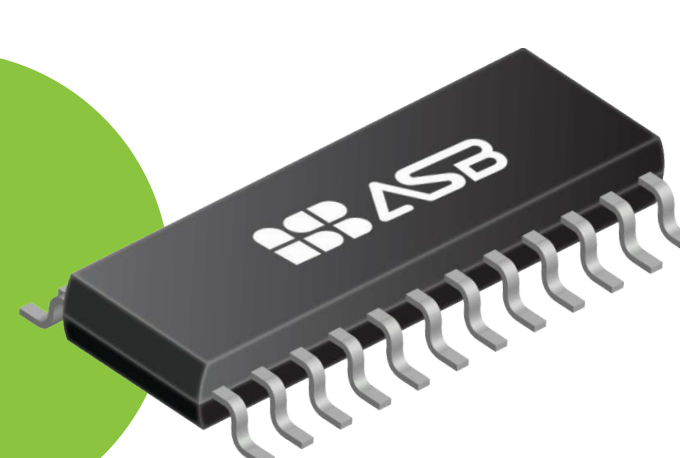
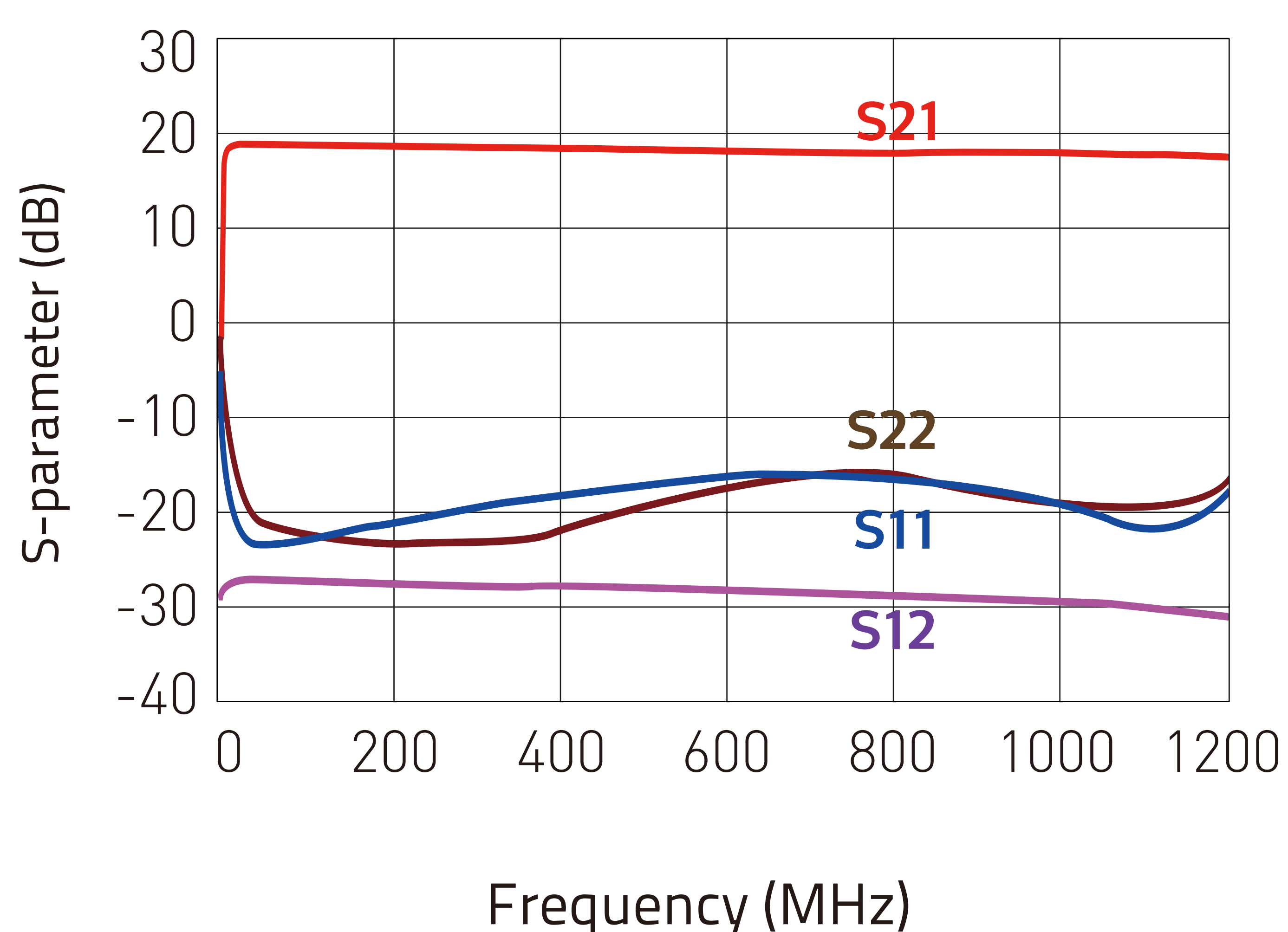


ABB817 **GaAs** Push-pull



12 V, High Linearity

- Gain 17 dB
- Current 370 mA
- **Pout 109 dBμV** @ BER < 1E-9,
138 ch 12 dB slope, 256 QAM





CATV Amplifier MMIC

5 ~ 1200 MHz

www.asb.co.kr

ABB15xx
ABU15xx (Single)

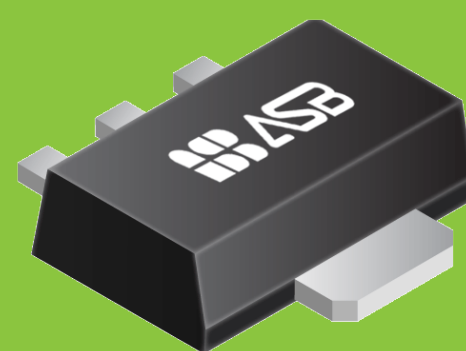


ABB25xx
ABU25xx (Push-pull)

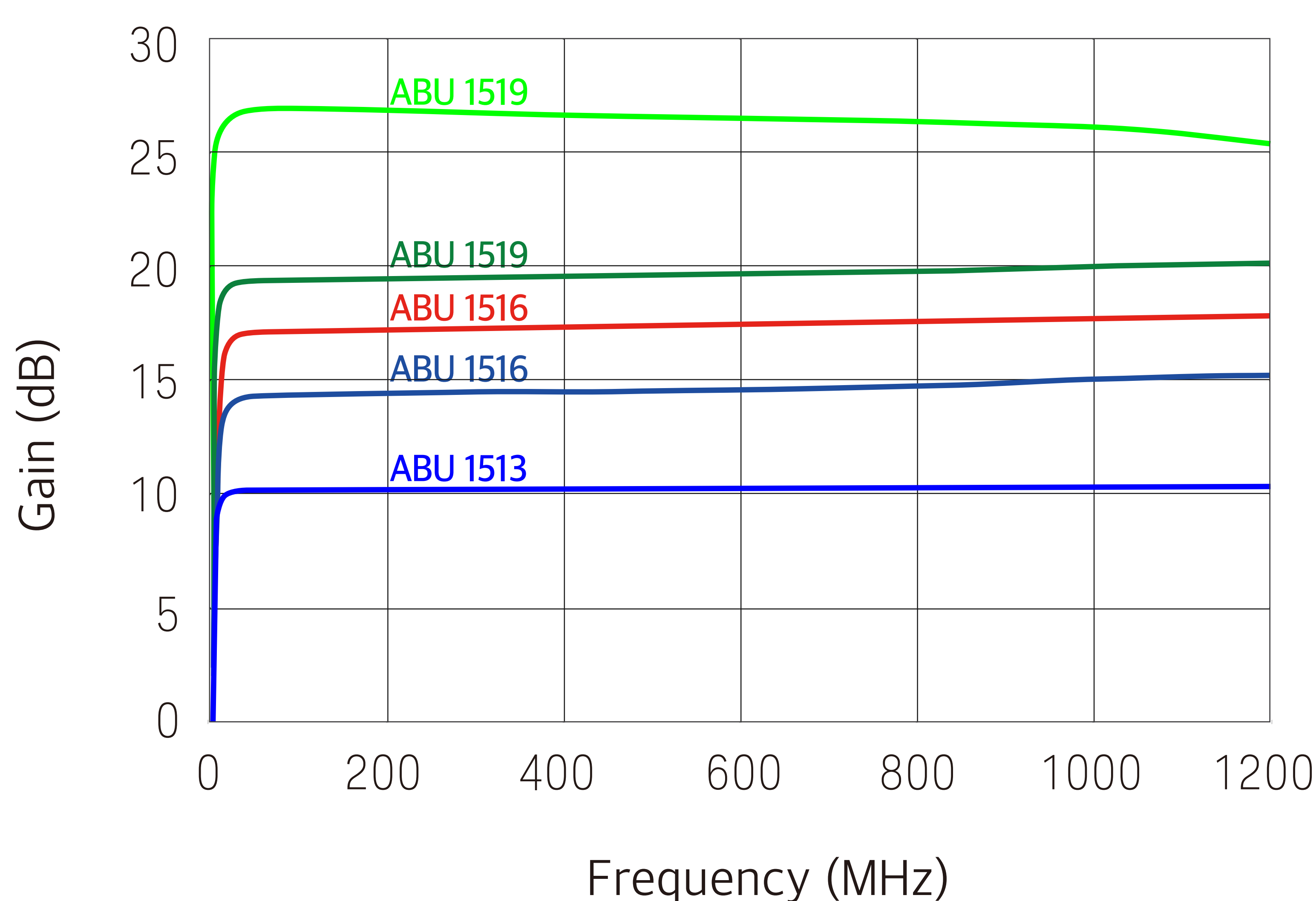


High Linearity (World Best)

- 5 V / 120 mA, Gain 13, 16, 19 dB
Pout 100~102 dBμV @ CENELEC-42 ch flat **(Single)**
- 5 V / 280 mA, Gain 13, 16, 18 dB
Pout 104~105 dBμV @ CENELEC-42 ch flat **(Push-pull)**

High Gain, Low Gain

- 5 V / 90 mA, **Gain 26 dB** (ABB1526 / ABU1526)
- 5 V / 100 mA, **Gain 10 dB** (ABB1510 / ABU1510)
- Pout 90 dBμV @ CENELEC-42 ch flat



Key Feature

ABB Series	○ Simple off-chip circuit (w/o feedback) ○ FWD (50~1200 MHz)
ABU Series	○ Gain slope adjustable (w/ feedback) ○ FWD (50~1200 MHz) REV (5~300 MHz)

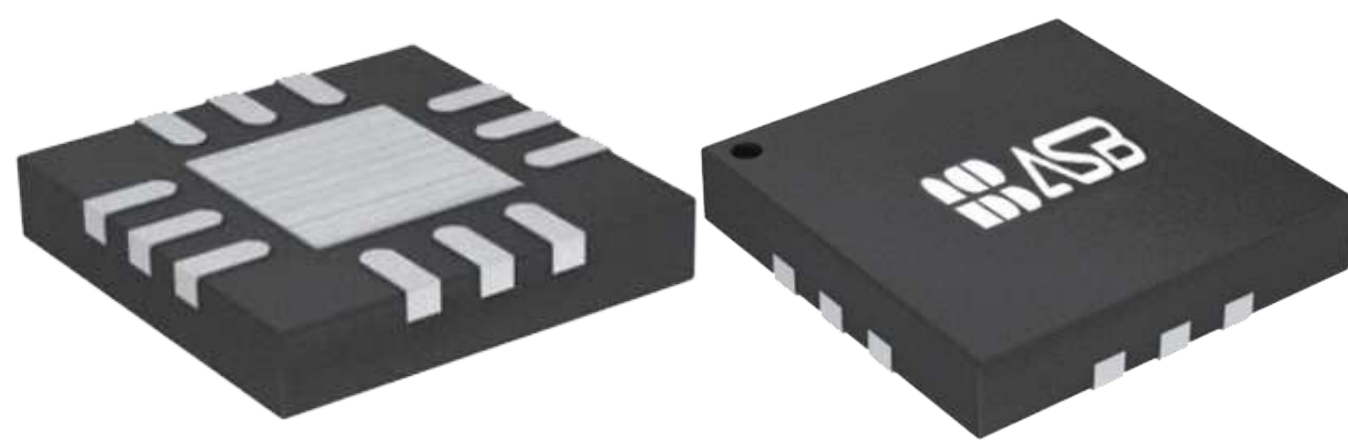


2-bit Digital Attenuator

75 Ω DC~2700 MHz

www.asb.co.kr

AAT207xB2 series



QFN14 (2x2 mm²)

Overshoot-safe Transient, Cost-effective

Part No.	ATTN (dB)	LSB (dB)	IL (dB) @ MHz					Attenuation Accuracy (dB) @ MHz	
			50	500	1200	2000	2700	DC~1200	DC~2700
AAT2073B2	0, 3, 6, 9	3	0.3	0.6	0.7	0.8	2.1	±(0.15+3%)	±(0.5+10%)
AAT2074B2	0, 4, 8, 12	4	0.4	0.6	0.7	1.0	2.1	±(0.15+3%)	±(0.7+10%)
AAT2075B2	0, 5, 10, 15	5	0.3	0.4	0.5	0.3	0.9	±(0.15+3%)	±(0.5+10%)
AAT2076B2	0, 6, 12, 18	6	0.3	0.6	0.7	-	-	±(0.15+5%)	
AAT2077B2	0, 7, 14, 21	7	0.4	0.6	0.7	-	-	±(0.15+10%)	

■ Typical Performance (AAT2075B2)

