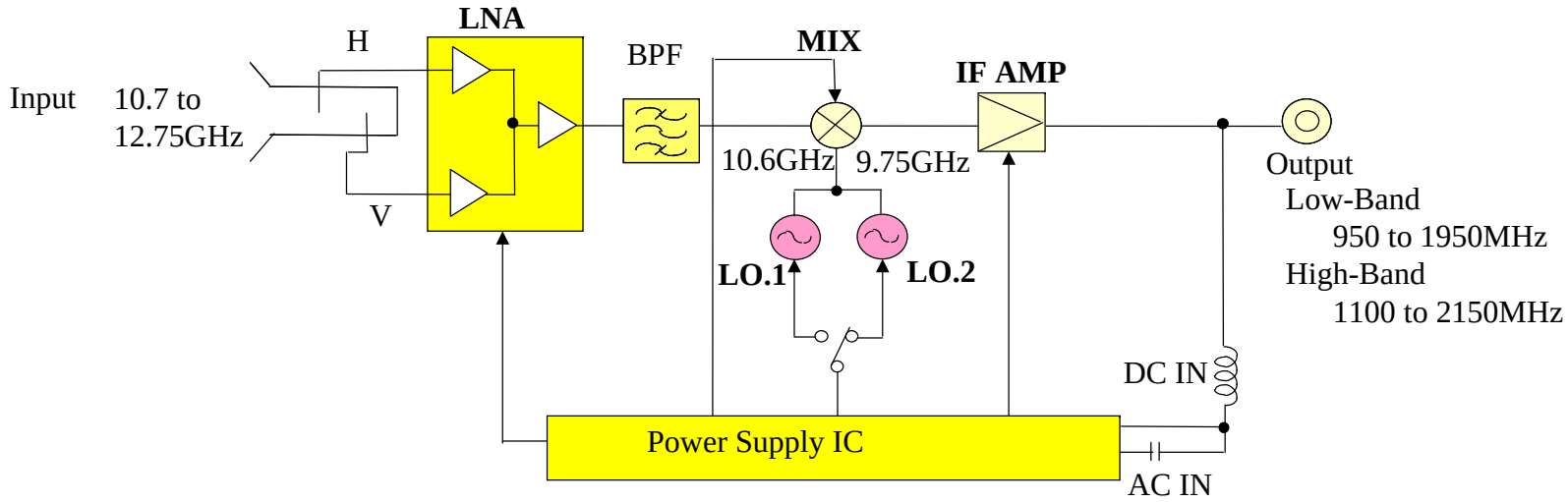
SHARP
New LNB Line-up

December 2006
RF Device Division

Universal 8th Generation Single LNB

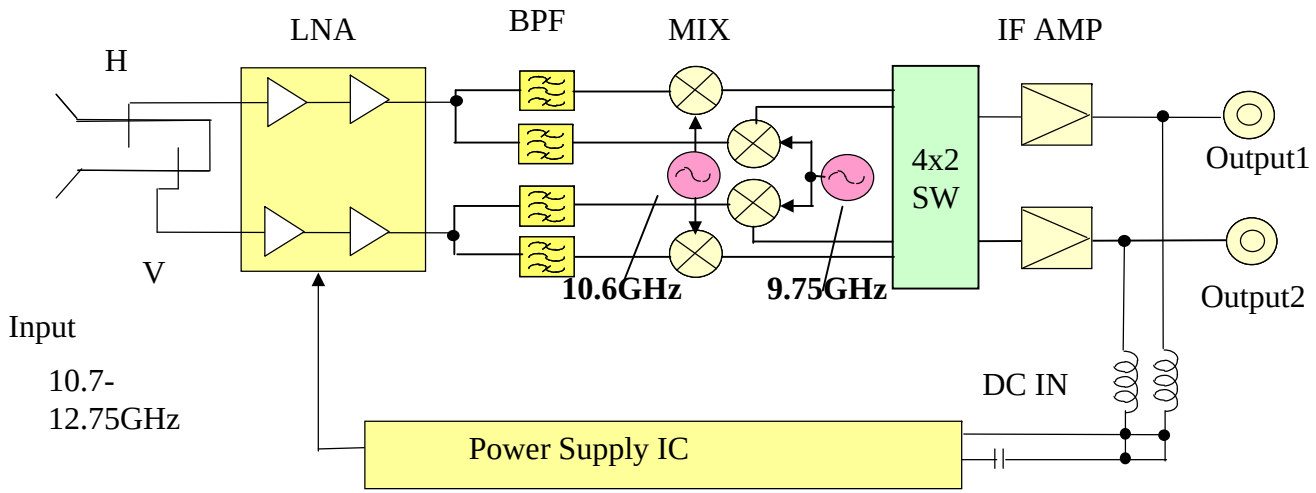
Block diagram/Specification



Input frequency	Low Band : 10.7 to 11.7GHz High Band : 11.7 to 12.75GHz
Cross polarization	25dB(typ.)
NF	Low Band : 0.6dB (typ.) High Band : 0.6dB (typ.)
Phase noise	-55dBc/Hz at 1kHz max. -80dBc/Hz at 10kHz max. -100dBc/Hz at 100kHz max.
Current consumption	80mA (typ.), 120 mA max.

Universal 8th Generation Twin LNB

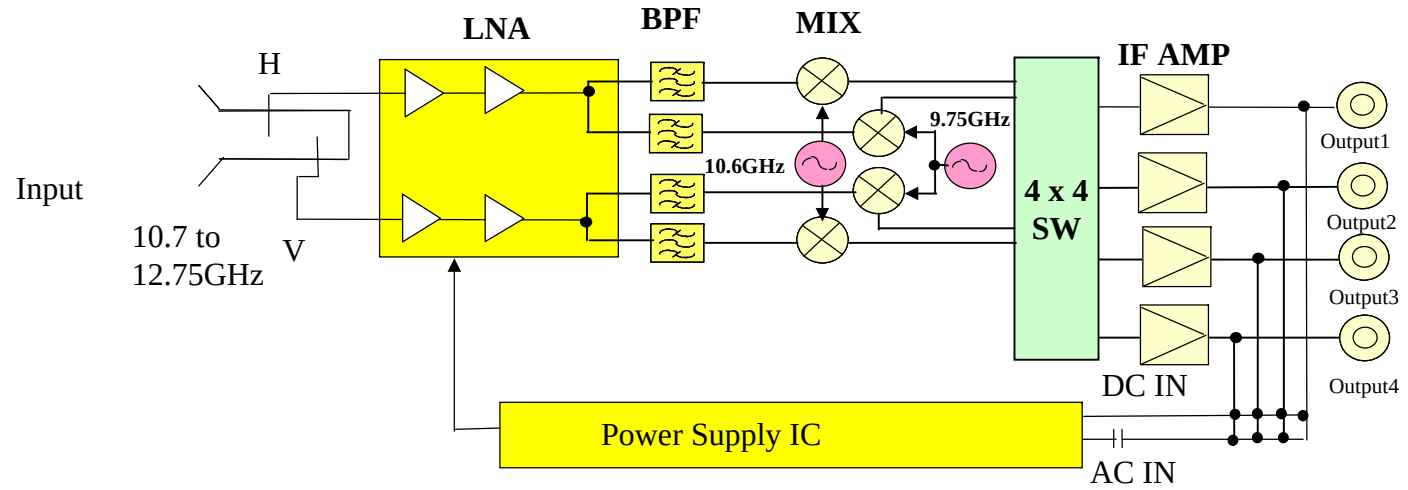
Block diagram/Specification



Input frequency	Low Band : 10.7 to 11.7GHz High Band : 11.7 to 12.75GHz
Cross polarization	20dB (min.) , 25dB (typ.)
NF	Low Band : 0.6dB (typ.) High Band : 0.6dB (typ.)
Phase noise	-50dBc/Hz at 1kHz max. -75dBc/Hz at 10kHz max. -95dBc/Hz at 100kHz max.
Current consumption	180mA (typ.), 250 mA max.

Universal 8th Generation Quad LNB

Block diagram/Specification

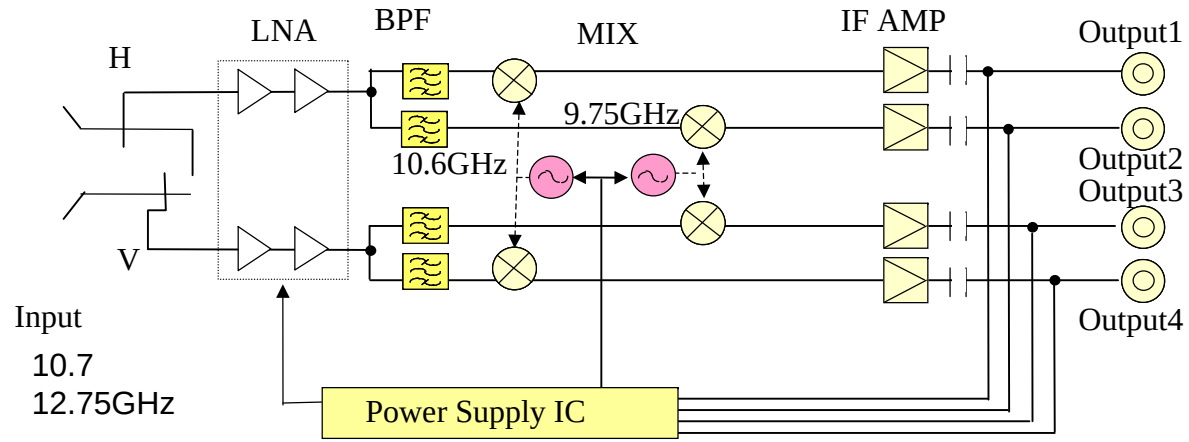


Low-Band
950 to 1950MHz
High-Band
1100 to 2150MHz

Input frequency	Low Band : 10.7 to 11.7GHz High Band : 11.7 to 12.75GHz
Cross polarization	25dB (typ.), 20dB (min.)
NF	Low-Band : 0.6dB (typ.), 1.3dB (max.) High-Band : 0.6dB (typ.), 1.3dB (max.)
Phase noise	-50dBc/Hz at 1kHz -75dBc/Hz at 10kHz -95dBc/Hz at 100kHz
Current consumption	290 mA (typ.)

Universal 8th Generation Quattro LNB

Block diagram/Specification



Input frequency	10.7 to 12.75GHz
Cross polarization	25dB (typ.), 20dB (min.)
NF	Low-Band : 0.6dB (typ.) High-Band : 0.6dB (typ.)
Phase noise	-50dBc/Hz at 1kHz -75dBc/Hz at 10kHz -95dBc/Hz at 100kHz
Current consumption	290 mA (max.)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