

## KU-Band LNB's



**Single Output Linear LNBF**

Model FSKU-VN



**Twin Output Linear LNBF**

Model FSKU-2VN



**Quad Universal LNBF**

Model FSKU-4V

### Technical Specifications

Value		Single LNB	Twin LNB	Quad LNB
Input frequency	Low Band: High Band:	10.70 ~ 11.70 GHz 11.70 ~ 12.75 GHz	10.70 ~ 11.70 GHz 11.70 ~ 12.75 GHz	10.70 ~ 11.70 GHz 11.70 ~ 12.75 GHz
Output Frequency	Low Band: High Band:	950 ~ 1950 MHz 1100 ~ 2150 MHz	950 ~ 1950 MHz 1100 ~ 2150 MHz	950 ~ 1950 MHz 1100 ~ 2150 MHz
L.O. Frequency		9.75 GHz 10.60 GHz	9.75 GHz 10.60 GHz	9.75 GHz 10.60 GHz
Noise Figure		0.2 ~ 0.3 dB (typ.)	0.3 dB (typ.)	1.2 dB (typ.)
Conversion Gain (Room Temp.)		52 dB (min.) 64 (max.)	55 dB (min.) / 66 (max.)	55 dB (min.) / 67 (max.)
Gain Flatness		+/- 0.5 dB / 26 MHz	+/- 0.5 dB / 26 MHz	+/- 0.5 dB / 26 MHz
Cross Pol. Isolation		25 dB (typ.)	25 dB (typ.)	20 dB (typ.)
L.O. Frequency Stability		+/- 1.0 MHz (max.) @ +25°C +/- 3.0 MHz (max.) @ -40°C ~ +60°C	+/- 1.0 MHz (max.) @ +25°C +/- 3.0 MHz (max.) @ -40°C ~ +60°C	+/- 1.0 MHz (max.) @ +25°C +/- 3.0 MHz (max.) @ -40°C ~ +60°C
L.O. Phase Noise		-50 dBc / Hz @ 1 KHz -75 dBc / Hz @ 10 KHz -95 dBc / Hz @ 100 KHz	-55 dBc / Hz @ 1 KHz -75 dBc / Hz @ 10 KHz -95 dBc / Hz @ 100 KHz	-55 dBc / Hz @ 1 KHz -75 dBc / Hz @ 10 KHz -95 dBc / Hz @ 100 KHz -105 dBc / Hz @ 1 KHz -115 dBc / Hz @ 10 KHz
Image Rejection		40 dB (min.)	40 dB (min.)	40 dB (min.)
Output VSWR		2.5 : 1 (max.)	2.5 : 1 (max.)	2.5 : 1 (max.)
DC Current Consumption		120 mA (max.)	150 one port (max.)	200 mA (max.)
Cross-Polar Rejection		-	20 dB (min.)	-
Low/High Band Switching	Low Band: High Band:	0 kHz 22 kHz +/- 4 kHz	0 kHz 22 kHz +/- 4 kHz	0 kHz 22 kHz +/- 4 kHz
Polarity Switching Voltage	Low Band: High Band:	12.0 ~ 14.0 V @ VP 16.0 ~ 20.0 V @ HP	10.5 - 14.0 V @ VP 16.0 ~ 19.0 V @ HP	10.5 - 14.0 V @ VP 16.0 ~ 21.0 V @ HP
Operating Temperature		-40 C ~ +60 C	-40°C ~ +60°C	-40°C ~ +60°C