

KU-BAND LNB/LNBFFSS/LINEAR

P170KU/P270KU

FSS (Linear) Dual/Single Output
Ku-LNB, Switchable,
with Circular Waveguide
11.7-12.2 GHz

P170+

FSS Single Polarity LNB
11.7-12.2 GHz



P170KU/P270KU

P170+

Model Number	P170KU	P170+	P270KU
I/P Frequency	11.7-12.2 GHz	11.7-12.2 GHz	11.7-12.2 GHz
O/P Frequency	950-1450 MHz	950-1450 MHz	950-1450 MHz
LO Frequency	10750	10750	10750
Initial Setting Accuracy at 23 °C	1.0 MHz	500 kHz	1.0 MHz
LO Stability (-35 °C to 52 °C)	2.0 MHz	2.0 MHz	2.0 MHz
LO Phase Noise (kHz offset)	-58 dBc/Hz @ 1 -80 dBc/Hz @ 10 -105 dBc/Hz @ 100	-55 dBc/Hz @ 1 -80 dBc/Hz @ 10 -100 dBc/Hz @ 100	-58 dBc/Hz @ 1 -80 dBc/Hz @ 10 -105 dBc/Hz @ 100
Noise Figure	0.8 dB (max.)	0.9 dB (max.)	0.8 dB (max.)
Cross Pol. Isolation	22 dB (min.)	25 dB (min.)	20 dB (min.)
Conversion Gain	50 to 62 dB (typical)	50 to 62 dB (typical)	52 to 62 dB (typical)
Gain Flatness	0.75 dB/50 MHz	0.5 dB/24 MHz	0.75 dB/50 MHz
Image Rejection	40dB (min.)	40dB (min.)	40dB (min.)
O/P Spurious	-60 dBm (min.)	-60 dBm (min.)	-60 dBm (min.)
O/P Power @ 1 dB Compression	0 dBm (min.)	0 dBm (min.)	0 dBm (min.)
O/P VSWR	2.2:1	2.0:1	2.2:1
O/P ports	1	1	2
O/P Port Type	75 W F-Female	75 W F-Female	75 W F-Female
Polarity Selections	10-14.5 V (V) 15.5-20 V (H)	10-14.0 V (V) 15.0-20 V (H)	10-14.5 VDC (V) 15.5-20 VDC (H)
Current Consumption	120 mA	135 mA	180 mA (max.)
Waveguide Interface	C-120	C-120	C-120
Working Temperature	-35 °C to 52 °C	-35 °C to 52 °C	-35 °C to 52 °C
Humidity	0-100%	0-100%	0-100%
Reflector Type	Offset	Offset	Offset
Throat Size	50 mm	NA	50 mm

