



Ku Universal Single LNBF (MX-22)

| Item | | Units | Specification | | | Note&Test Condition | |
|--------------------------------------|----------------------------|------------|---------------------------|---------------------------------|-------|--------------------------|-------------|
| | | | Min. | Typical | Max. | | |
| R. F | Input Freq. Range | Low-Band | GHz | 10.7 | — | 11.7 | |
| | | High-Band | GHz | 11.7 | — | 12.75 | |
| | Input Feedhorn Type | Linear | | Optimized for offset focus dish | | | |
| I. F | Output Freq. Range | Low-Band | MHz | 950 | — | 1950 | |
| | | High-Band | - | 1100 | — | 2150 | |
| | Output VSWR | Ratio | — | 1.8:1 | 2.5:1 | 950~2150MHZ | |
| Output Connector | | - | 75ohms Female F-Connector | | | | |
| LO | Local Oscillator Freq. | Low-Band | GHz | — | 9.75 | - | |
| | | High-Band | GHz | - | 10.6 | - | |
| | Local Oscillator stability | | MHz | - | ±0.5 | ±1.0 | @Temp=25°C |
| | | | | - | ±0.5 | ±3.0 | -35°C~+70°C |
| | Phase Noise Performance | @1KHz | dBc/Hz | - | -65 | -55 | Temp=25°C |
| @10KHz | | dBc/Hz | - | -83 | -75 | | |
| @100KHz | | dBc/Hz | - | -95 | -90 | | |
| Conversion Gain | | dB | 55 | 60 | 68 | Temp=25°C -35°C~+70°C | |
| Gain Flatness Over full Band | | dB P-P | - | 5 | 7 | | |
| Gain Flatness @ Any 26MHz Bandwith | | dB P-P | - | ±0.5 | ±0.75 | | |
| Gain Flatness @ Any 300MHz Bandwith | | dB P-P | - | 3 | 5 | | |
| Noise Figure | | dB | - | 0.85 | 1 | | |
| Cross Pol. Isolation | | dB | 20 | 22 | - | | |
| Image Rejection | | dB | 37 | 40 | - | | |
| DC Current Consumption | | mA | - | 128 | 137 | | |
| Operating Voltage and Band Switching | | Vertical | VDC | 11.5 | - | 14 | |
| | | Horizontal | VDC | 16 | | 21 | |
| | | S-V | VDC | 14 | | 16 | |
| | | Low-Band | KHz | 0 | 0 | 0 | |
| | | High-Band | KHz | 18 | 22 | 26 | |
| Operation Temperature | | °C | -35°C | - | 70°C | @Relative Humidity95% | |