

KU BAND FSS DUAL POL. TWIN OUTPUT LNBF



VS-FT02



Your Trusted Source for Satellite Equipment

- **North American FSS**
- **Dual Polarization**
- **HD Compliant**

| | SPECIFICATION | | | | CONDITION |
|------------------------------------|-----------------------|-------|------|--------|-----------------------------|
| ITEM | MIN. | TYP. | MAX. | UNIT | |
| Input Frequency | 11.7 | | 12.2 | GHz | High-Band |
| Output Frequency | 950 | | 1450 | MHz | Low-Band |
| L.O. Frequency | | 10.75 | | GHz | Low-Band |
| L.O. Temperature Drift | | | ±1 | MHz | Initial Accuracy (@ 25 °C) |
| | | | ±3 | MHz | -40°C~+60°C |
| L.O. Phase Noise | | | -60 | dBc/Hz | @1kHz Offset at High-Band |
| | | | -80 | | @10kHz Offset at High-Band |
| | | | -100 | | @100kHz Offset at High-Band |
| Noise Figure | 0.3 | 0.6 | 0.8 | dB | @ 25 °C (.6 typical) |
| Conversion Gain | 62 | 66 | 62 | dB | @ 25 °C |
| Gain Flatness Characteristics | | 5 | | dBpp | Over Operating Band |
| | | 1 | | dB | with bandwidth 27MHz |
| 1dB Output Gain Compression | 0 | +3 | | dBm | |
| L.O. Spurious | | | -60 | dBm | |
| Image Rejection | 40 | | | dB | |
| Output VSWR | | 2.0:1 | | | |
| Cross-Pole Isolation | 20 | 25 | | dB | |
| Return Loss at Output | | 10 | | dB | |
| Supply Voltage and Control signals | 10.5 | | 14.5 | V | Vertical Polarization |
| | 15.5 | | 21 | V | Horizontal Polarization |
| Current consumption | | 150 | 180 | mA | |
| Load Impedance | | 75 | | ohm | |
| Reflector Type | Offset | | | | |
| F/D Ratio | | 0.6 | | | |
| Feedhorn Mounting | 40 mm (Standard Size) | | | | |
| Operation Temperature | -40 | | +60 | ° C | |
| Storage Temperature | -50 | | +80 | ° C | |
| Output Connector | 75Ω F type | | | | |

LNBF_VS-FT02_REV004

Specifications are subject to change without notice

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