

Universal 6 ° Monoblock LNBF Product Specification

Model No. AK51-M04

RF Input

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| Input Frequency Range | Low Band: 10.7 ~ 11.70 GHz High Band: 11.7 ~ 12.75 GHz |
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IF Input

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| Output Frequency Range | Low Band: 950 ~ 1950 MHz High Band: 1100 ~ 2150MHz |
| Output Connector Type | 75Ω Female Connector |
| F/D Ratio | 0.6 |

Local Oscillator

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| LO. Frequency | Low Band: 9.75 GHz High Band: 10.6GHz |
| LO. Frequency Stability | ± 1MHz (Max.) @ Room Temperature |
| LO. Frequency Phase Noise | -55dBc/Hz@ 1KHz (Max.) -80dBc/Hz@10KHz (Max.) -100dBc/Hz@100KHz (Max.) |

Conversion Performance @Room Temperature

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| Conversion GAIN | 60dB (Max.) |
| Gain Flatness (across any 26 MHz segment) | ± 0.5dB (Typ.) |
| Noise Figure | Low Band: 0.5dB (Typ.) How Band: 0.5dB (Typ.) |
| Image Rejection | 45dB (Min.) |
| Cross Polarization Isolation | 28dB (Typ.) |

Signal Control

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| Band Control Signal | 0,22 K/ DiSEqC 2.0 |
| V/H Control Signal | 13, 18 V/ DiSEqC 2.0 |
| Input Selection (Satellite) | Tone burst/ DiSEqC 2.0 |
| DC Power | 11/ 20 V |

Power Requirements

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| DC Current Consumption: | 180mA (Typ.) 200mA (Max.) |
| Operating Voltage - | Vertical: 11.5 ~ 14 Vdc Horizontal: 16 ~ 19 Vdc |
| Band Switching | Low Band: 0 Hz High Band: 22 KHz ± 4KHz |

Environmental

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|-----------------------------|-----------|
| Operating Temperature Range | -40 ~ +60 |
| Storage Temperature Range | -55 ~ +80 |