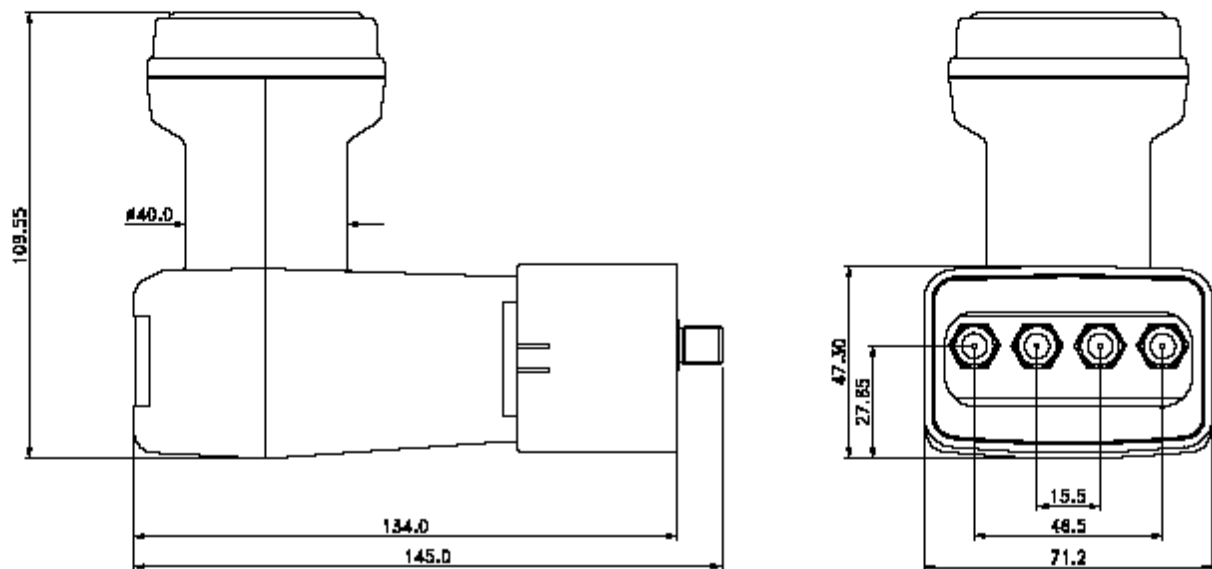


Specifications

Universal QuatWin LNB: ZKF - J44N

		Low Band	Hi Band
1. Input Frequency Range		10.7 ~ 11.7 GHz	11.7 ~ 12.75 GHz
2. Output Frequency Range ×4		950 ~ 1950 MHz	1100 ~ 2150 MHz
3. L.O. Frequency		9.75 GHz	10.6 GHz
4. Noise Figure		0.7 dB (Typ.)	
5. F/D Ratio		0.6	
6. Input Reflector Type		Offset	
7. Cross Pol. Isolation		18 dB (Min.) 25 dB (Typ.)	
8. Conversion Gain		50 dB (Min.)	
9. Gain Flatness		±0.75 dB / 27 MHz	
10. L.O. Frequency Stability	(25 °C) (-30 °C ~ 60 °C)	±1 MHz ±3 MHz	
11. L.O. Phase Noise	(1 KHz Offset) (10 KHz Offset) (100 KHz Offset)	- 60 dBc/Hz - 80 dBc/Hz - 100 dBc/Hz	
12. Image Rejection		40 dB (Min.)	
13. Output Power (at 1dB Gain Compression Point)		0 dBm (Min.)	
14. Harmonic Distortion On InBand		- 58 dBm (Max.)	
15. Output Return Loss		7.5 dB	
16. Output Connector		75Ω F Type (Female)	
17. D.C. Supply Voltage		11.5 ~ 19 V	
18. D.C. Current Consumption		200 mA (Typ.)	
19. Polarity Switching Voltage		Vertical: 11.5 ~ 14.2 V Horizontal: 15.8 ~ 19 V	
20. Band Switching	Low Band Hi Band	0 KHz 22 KHz ±4 KHz continuous tone signal **	
21. Operating Temperature		- 30°C ~ 60°C	

Mechanical Drawing



Unit: mm.

** This tone control signal should meet Astra recommendation.

Revised Date : Sep. 18, 2002