

Specifications

C-Band Dual Pol. LNBF: ZCF-D21B

1. Input Frequency Range	3.4 ~ 4.2 GHz
2. Output Frequency Range	950 ~ 1750 MHz
3. L.O. Frequency	5.15 GHz
4. F/D Ratio	0.28 ~ 0.42 (Adjustable)
5. Input Reflector Type	Prime focus
6. Cross Pol. Isolation	20 dB (Typ.)
7. Noise temperature	15 °K
8. Conversion Gain	65 dB (Typ.)
9. Gain Flatness	+1 dB / 36MHz
10.L.O. Frequency Stability	+1.0 MHz @ 25 °C +2.5 MHz @ (-30 °C ~ +60 °C)
11.L.O. Phase Noise (1 KHz Offset) (10 KHz Offset) (100 KHz Offset)	-70 dBc / Hz @ 10 KHz -85 dBc / Hz @ 100 KHz -105 dBc / Hz @ 1 MHz
12. Image Rejection	45 dB (Min.)
13. Output power (at 1 dB Gain compression Point)	0 dB (Min.)
14. Output Return Loss	7.5 dB
15. Output Connector	75 ohm F type (female)
16.D.C. Supply Voltage	12 ~ 24 VDC
17.D.C. Current Consumption	150 mA (max.)
18.Polarity Switching Voltage	Vertical: 11.5 ~ 14.5 VDC Horizontal: 15.8 ~ 19 VDC
19. Operating Temperature	-40 °C ~ +60 °C

Mechanical Drawing

