



OPTEL
OPTOELETTRONICA
TELECOMUNICAZIONI

OPTEL snc - Via Don Milani, 7
20063 - CERNUSCO S/N
Milano - ITALY
Tel. +39 - 2 - 92102981
C.F. / P.I. 09876490153

Product Data Sheet

Wide Band LNBF WT1

Input Frequency	10.70 ~ 12.75 GHz
Output Frequency	0.29~2.34GHz
L.O. Frequency	10.41 GHz
Noise Figure	1.0 dB(Max.)
Conversion Gain (Room Temp.)	50 dB (min.) / 60 dB (max.)
Gain Flatness	±0.5 dB / 26 MHz
Gain Variation	7 dB (max.)/ Full Band
L.O. Frequency Stability	±1.0 MHz (max.) @ +25 °C ±3.0 MHz (max.) @ -40 °C ~ +60 °C
L.O. Phase Noise	-50 dBc/Hz @ 1 KHz -75 dBc/Hz @ 10 KHz -95 dBc/Hz @ 100 KHz -105 dBc/Hz@1MHz -115 dBc/Hz@10MHz
Image Rejection	40 dB (min.)
P1 dB Compression Point	4 dBm (min.)
Output Return Loss	8 dB (min.)
Output Connector	F-Type Connector
Cross Polarization Isolation	20dB (min.)
DC Current Consumption	800mW (max.)
DC Voltage Supply	9.0 ~ 19.0 V
Operating Temperature	-40 °C ~ +60 °C