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Wholeband LNB

Overview

Downconversion of Ku-Band DVB-S signals of 2 polarities (4 Quadrants) into Sat– IF and stacking into one combined RF signal in the frequency range from 950-5450 MHz. Designed to feed directly to the FibreIRS ODU32 or a professional headend.

Specifications

LNB type:	Mini Univesal-Wholeband LNB
Input frequency range:	10.70-12.75 GHz
Output frequency range:	950-5450 MHz
Output impedance:	50
Noise figure (typical at 25°C):	0.7(dB)
Noise figure (max. at 25°C):	< 1.1(dB)
Noise figure (typical -30 to +60 °C):	0.9(dB)
Noise figure -30 to +60 (max °C):	<1.3(dB)
Return Loss:	>9(dB)
Conversion gain (typical at 25°C):	63(dB)
Gain variation (-30 to +60 °C):	+2(dB)
Gain flatness (0.95 to 5.45 GHz:	6(dB)
Gain ripple (per 27 MHz bandwidth segment):	< 1(dB)
L.O Frequency horizontal:	9.75(GHz)
L.O Frequency vertical:	7.30(GHz)
L.O. Phase noise (Offset frequency 1 kHz)	55dBc/Hz

Product Code: COFFLWB01G

Specifications

L.O. Phase noise: (Offset frequency 10 kHz)	80dBc/Hz
L.O. Phase noise: (Offset frequency 100 kHz):	100dBc/Hz
L.O. Stability,initial setting:	+- 0.5MHz
L.O. Temperature drift (-40°C to +60°C):	+- 2MHz
L.O. Aging and total drift (10 years):	+- 4MHz
Image rejection (in.):	40(dB)
Cross polar isolation (typ):	30(dB)
Supply voltage, nominal:	6VDC
Supply voltage, maximum survival voltage:	7VDC
Current consumption:	<330mA
Climatic specification– Operation:	-30 to +60 (°C)
Climatic specification– Storage:	-40 to +70 (°C)

Fibre Satellite