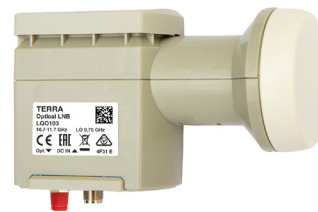




# SAT IF distribution equipment 40 mm fiber optical LNB

- low noise down converter with single mode fiber optical output
- internally stacked horizontal and vertical polarization IF signals
- dedicated for operation with ORF202 optical receivers
- built-in AGC system
- extended lifetime of the laser
- test point for dish alignment
- powered via F connector



### Technical specifications

T Y P E	LQ0103*	LQ0104*	LQ0105*	LQ0107*
Input frequency range V & H	10.7 - 11.7 GHz	10.95 - 11.7 GHz	11.7 - 12.75 GHz	11.7 - 12.75 GHz
Noise figure, typical	0.7 dB			
LO frequency of downconverter	9.75 GHz	10.0 GHz	10.6 GHz	10.75 GHz
LO phase noise	< - 75 dBc/Hz @ 10 kHz			
Image rejection	40 dB min			
Cross-pol isolation, typical	22 dB			
Internal IF	950-1950 MHz	950-1700 MHz	1100-2150 MHz	950-2000 MHz
<b>Optical output</b>				
Wavelength	see ordering information*			
<b>Main characteristics</b>				
Power consumption	4.5 W max.			
Supply voltage	10 - 20 V			
Operating temperature range	-30° ÷ + 60° C			
Dimensions/Weight (packed)	141x89x63 mm / 0.35 kg			

\* ordering information:

Type	Laser	Ordering number
LQ0103 4F31 E	4 dBm FP 1310 nm FC/UPC	14855
LQ0104 4F31 E	4 dBm FP 1310 nm FC/UPC	14856
LQ0105 4F31 E	4 dBm FP 1310 nm FC/UPC	14857
LQ0107 4F31 E	4 dBm FP 1310 nm FC/UPC	14858