


Technical characteristics

Type	LWO101*	LWO102*
Input frequency range V & H	10.7 - 12.75 GHz	
Noise figure, typical	0.7 dB	
LO frequency	10.4 GHz	10.41 GHz
LO initial accuracy	± 500 kHz	
LO temperature drift	± 150 kHz	
LO phase noise	< - 75 dBc/Hz @ 10 kHz	
Image rejection	40 dB min	
Cross-pol isolation, typical	22 dB	
Internal IF	300-2350 MHz	290-2340 MHz
Optical output*		
Main characteristics		
Supply voltage	10 - 20 V	
Power consumption	4 W max.	
Operating temperature range	-30° ÷ + 60° C	
Dimensions/Weight (packed)	141x89x63 mm / 0.35 kg	

* Type	Power	Laser	Wavelength	Connector IN
LWO101 4F31 E	4 dBm	FP	1310 nm	FC/UPC
LWO102 4F31 E	4 dBm	FP	1310 nm	FC/UPC

REQUIREMENTS FOR EXTERNAL POWER SUPPLY UNIT (PSU)

- Output voltage 10 V ÷ 20 V DC
- Output current recommended to use PSU with 50% extra power reserve
- Ripple at single and/or double mains frequency < 10 mV p-p
- Ripple & noise < 200 mV p-p
- Short circuit protection
- Double insulated (marked )
- Meet EN 55022 class B conducted emissions requirements, measuring with grounded load



This product complies with the relevant clauses of the European Directive 2002/96/EC. The unit must be recycled or discarded according to applicable local and national regulations.



This product is in accordance with following norms of EU: EMC norm EN50083-2, safety norm EN IEC62368-1 and RoHS norm EN50581.



This product is in accordance with Custom Union Technical Regulations: "Electromagnetic compatibility of technical equipment" CU TR 020/2011, "On safety of low-voltage equipment" CU TR 004/2011.



This product is in accordance with safety standard AS/NZS 60065: 2012 and EMC standards of Australia.