

GNSSoF

Expansion module, Receiver, L1, L2, DIN Rail, 1 RF OUT, 1 FO IN

D-GNSSoF1-1R-L12

Properties

- Plug and Play: No external control required
- Efficient analog signal to optical convert and back
- For GPS, Galileo, Glonass, BeiDou, IRNSS, QZSS and other GNSS systems
- NEBS Level 3 Carrier Grade



General data	
Product family	GNSS Expansion
Suitable Products	D-GNSSoF1-1T-L12 85135572
Electrical data	
GNSS band	L1: 1545 - 1610 MHz L2: 1164 - 1254 MHz
Link gain range	8 dB ... 12 dB
Link gain typical	10 dB
Frequency response flatness	+/- 3 dB
Link noise figure typical	L1: 12 dB L2: 9 dB
VSWR	< 2
Max. input at 1dB compression	-20 dBm
RF input impedance for antenna detection	390 Ω
Power connector	2-pole industry connector
Supply voltage range	11 V DC ... 14 V DC
Supply voltage typical	12 V DC
Supply current typical	58 mA
Mechanical data	
Weight	0.27 kg
Dimensions (LxWxH)	90mm x 95mm x 23mm
Environmental data	
Storage temperature	-40 °C ... 85 °C
Operation case temperature	-5 °C ... 55 °C

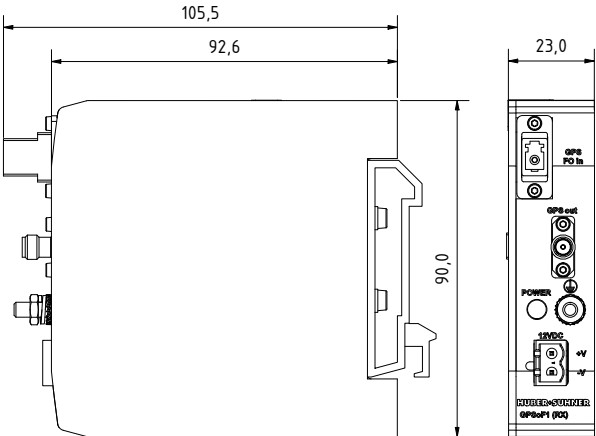
GNSSoF
Expansion module, Receiver, L1, L2, DIN Rail, 1 RF OUT, 1 FO IN
D-GNSSoF1-1R-L12

Optical data	
Time delay	15 ns
Optical input power min	0.2 mW
Optical input power max	5 mW

Output of RF connection	
Product family RF connector	SMA
Gender	Female
Amount of RF connectors	1 pcs
RF input impedance	50 Ω

Input of FO connection	
Product family FO connector	LC UPC
Amount of FO Connectors	1 pcs
Fiber type	Singlemode

Technical drawing



LED Definition		
LED State	Transmitter	Receiver
Red		Optical input power < -10 dBm

Scope of delivery	
Scope of delivery	An external plug (UK, US, SAA, EU) in power supply will be delivered for 100 - 240 VAC to 12 VDC conversion

Ordering Information Table	
Item number	Item description
85135573	D-GNSSoF1-1R-L12

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [GNSS / GPS Modules](#) category:

Click to view products by [Huber & Suhner](#) manufacturer:

Other Similar products are found below :

[SA868-U](#) [SA828-U](#) [SA828-V](#) [ATGM336H-5N71](#) [ATGM336H-6N-22](#) [AT6668-6N-74](#) [ATGM331C-5N-31](#) [ATGM332D-6N22](#)
[LC29HEAEK](#) [LC29HBAEK](#) [NEO-M9V-20B](#) [AIW-210XU-001](#) [WISE-4610P-NA](#) [M10578-A2](#) [M10578-A3](#) [M20071](#) [M20072](#) [AS-PRO-](#)
[CORS-L125ETH-01](#) [AS-PRO-HANDHELD2-0](#) [AS-RTK-MICRO-X20P-SMATH](#) [AS-RTK-MICRO-X20P-UFLTH](#) [CMM21T-900M-N](#)
[DFR1103](#) [KIT0198-EU](#) [KIT0198-US](#) [KIT0212](#) [TEL0137](#) [TEL0138](#) [POL-3G](#) [D-GNSSoF1-1R-L12](#) [D-GNSSoF1-1T-L12](#) [Direct GPSoF](#)
[DC/DC Converter](#) [ISM3333-C6.1](#) [PNT-SG3FS-CT](#) [PNT-SG3FS-TR](#) [RXM-GPS-F4-T](#) [M003-V21](#) [M135](#) [U190](#) [A5135-H](#) [MIKROE-4150](#)
[28504](#) [L26-M33](#) [L26T-S89](#) [L70B-M39](#) [L76L-M33](#) [L76-M33](#) [L86-M33](#) [L89HA-S90](#) [L89-S90](#)