

GNSSoF
Expansion module, FO splitter, L1, L2, 1RU, 1 FO IN, 8 FO OUT
GPSoF - OSM (1x8)

Properties

Easily scaled to higher density distribution



General data	
Product family	GNSS Expansion
Electrical data	
GNSS band	L1: 1545 - 1610 MHz L2: 1164 - 1254 MHz
Link gain range	-9 dB ... -5 dB
Link gain typical	-7 dB
Frequency response flatness	+/- 2 dB
Power in	12 V DC
Power connector	3pole connector series 680, socket
Supply voltage range	11 V DC ... 14 V DC
Supply voltage typical	12 V DC
Supply current typical	< 275 mA
Mechanical data	
Weight	1.5 kg
Dimensions (LxWxH)	482.6mm x 279.4mm x 44.45mm
Rack height unit	1 U
Environmental data	
Operation case temperature	-5 °C ... 55 °C
Optical data	
Time delay	45 ns
Optical output power min	0.79 mW
Optical output power max	1 mW
Optical output power typical	1.26 mW

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Optical data	
Return loss	≥ 45 dB
Input of FO connection	
Product family FO connector	LC UPC
Amount of FO Connectors	1 pcs
Output of FO connection	
Product family FO connector	LC UPC
Amount of FO Connectors	8 pcs
Fiber type	Singlemode
Technical drawing	

Front view



Back view



Ordering Information Table	
Item number	Item description
85154296	GPSoF - OSM (1x8)
Additional Information	
Total link time delay calculation: Total delay [ns] = time delay TX [ns] + time delay RX [ns] + time delay single mode fiber 1310nm [ns/m] * link length [m] Example 100m link delay = 45ns + 100m * 4.9 ns/m = 525 ns	

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