Data Sheet



LAN-over-Fiber LANoF12 – 1 Gbps

Description

The LAN-over-Fiber media converter module (LANoF12 – 1 Gbps) supports the IEEE 802.3 Standard 1000 Base-SX fiber. It enables existing copper connections to interface with fiber connections over a distance up to 20 km. It does so by converting 1000 Base-T (copper) media into 1000 Base-SX (fiber) media; and allows the media to be converted back from fiber to copper. The 10/100/1000 Base-T port supports full duplex connectivity at wire speed using RJ45 connectors.

Features

- · 1 Gigabit bit rate (1 channel)
- · IEEE 802.3 (u/ab/z/x) compliant.
- Half / full duplex
- · Auto-MDI/MDI-X and auto-negotiation
- Single Mode

Applications

· Where superior performance, distance and security are required.

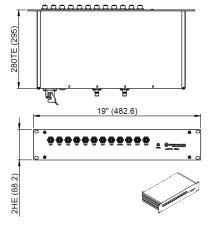
Order Information

Item Description	Item Number
LANoF12 – 1 Gbps	85065411

Electrical Data

Parameters			Value			Remarks
			Min.	Typ.	Max.	
All specifications at 25℃ case Tempera	ture T _c , unless other	erwise specified				
Bit Rate		Mbps	10		1000	
Operating Distances (TP)		km			0.1	10/100/1000BaseT Cat. 5, 5E, 6 UTP/STP
Operating Distances (1000Base LX)		km			20	8.3/125 um LWL, 8.7/125 um LWL, 9/125 um LWL, 10/125 um LWL
Supply voltage VS		VDC	+5		+5	2A
Power Consumption		W			3	
Temperature range (OTR)	Operating	$\mathcal C$	-0		+50	
	Storage	$\mathcal C$	-20		+70	
Module mass		kg	0.25	0.25		
Module dimensions		mm	92.5 x 65	5.0 x 42.0		LxBxH
Fiber type			9/125 um	9/125 um single mode LWL		
Fiber connector			Q-ODC-1	12		
LAN connectors			RJ45			Alternatives available upon request.

Dimensions (mm)



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Additional Information

- · All modules are RoHS Compliant
- · All modules are EMC protected
- · MIL and other certifications are possible upon request .
- · All modules are single packaged

Important catalogue links

RF Cables: http://literature.hubersuhner.com/Technologies/Radiofrequency/RFCablesEN/
RF Connectors: http://literature.hubersuhner.com/Technologies/Radiofrequency/RFConnectorsEN/
FO Standard Assemblies: http://literature.hubersuhner.com/Technologies/Fiberoptics/FOcableassembliesEN/

Application Notes

Potential Applications

- SATCOM
- Laboratories / Test Environments
- Shelters
- Aircraft
- Vehicles

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