

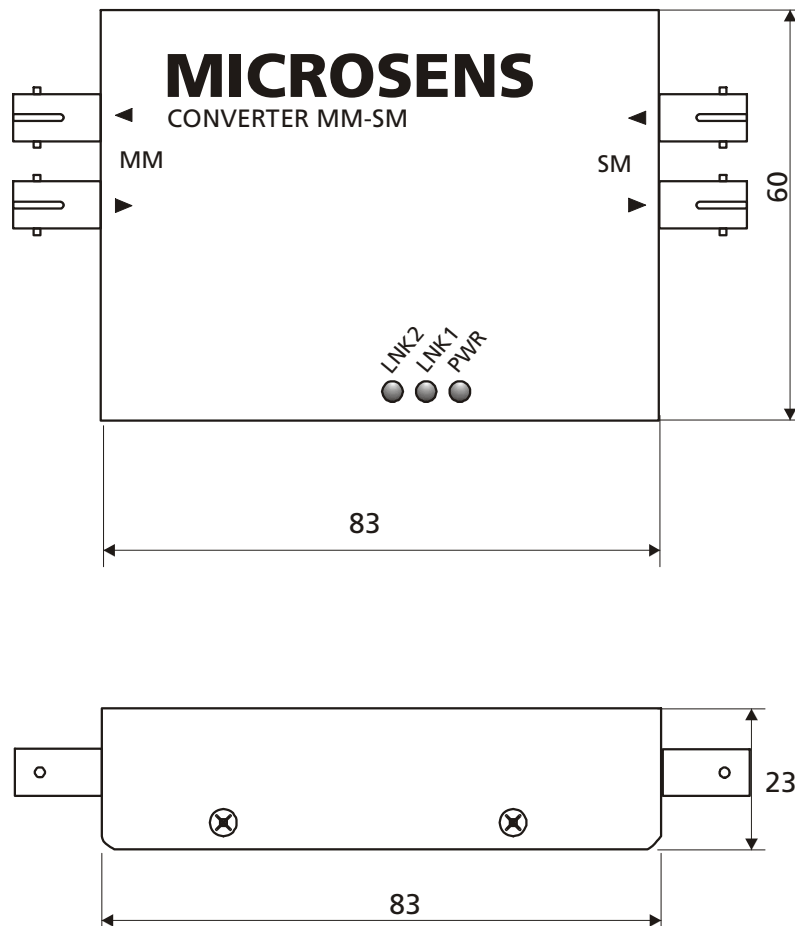
Media Converter Multimode/Singlemode MS416590, 10km

MICROSENS

Description

Media converter for the transparent coupling of multimode and singlemode fiber segments combined with a wavelength conversion from 850 nm to 1300 nm. The transparent conversion permits the transmission of different types of protocols up to 1.25 Gbit/s, e.g. Fast Ethernet, ATM 155 Mbit and Gigabit Ethernet.

Dimensions



Technical Specifications

Type	Converter for transparent coupling of singlemode and multimode fiber segments with wavelength conversion.
Fiber types	Singlemode 9/125µm duplex, Multimode 62,5/125 or 50/125 µm, duplex, SC-connectors
Data rate	max. 1,25 Gbit/s

Singlemode (1300 nm)

Wavelength	1300 nm
Opt. Power	-8 dBm (1300 nm, 9/125 µm, min.)
Opt. Sensivity	-22 dBm (1300 nm, 9/125 µm, min.)
Max. Distance ^{1,2)}	10km

Multimode (850nm)

Wavelength	850 nm
Opt. Power	-10 dBm (850 nm, 62,5/125 µm, min.)
Opt. Sensivity	-20 dBm (850 nm, 62,5/125 µm, min.)
Max. Distance ^{1,2)}	550 m (50/125 µm, 3,5 db/km, 600 MHz*km, typ.)

LED display	<i>PWR</i> Module power ok <i>LSM</i> Single mode link established <i>LMM</i> Multimode link established
--------------------	--

Power supply	5 V DC / max. 1 A
Operating temperature	0°C to 55°C
Storage temperature	-20°C to 80°C
Rel. Humidity	5% to 80%, non condensing

- 1) distances given are based on typical fiber parameters, only optical power budget can be guaranteed.
- 2) multimode distance dependent on fiber quality, mode conditioning may be required for maximum performance.

Order Designation

Art.-No.	Description	Connectors
MS410590	Transparent media converter module, Multimode 850 nm, Single Mode 1310 nm, max. 1.25 Gbps	1x SC duplex 850 nm MM 1x SC duplex 1300 nm SM

MICROSENS reserves the right to make any changes without further notice to any product to improve reliability, function or design. MICROSENS does not assume any liability arising out of the application or use of any product. 2206/ip