

# GIGALIGHT 53G SFP56 SR Optical Transceiver

P/N: GSS-MPO560-SRC

## Features

- ◆ full-duplex transceiver modules
- ◆ Transmission data rate up to 53Gbps per channel
- ◆ 53Gbps PAM4 transmitter and PAM4 receiver
- ◆ 850nm VCSEL array
- ◆ PIN photo detector array
- ◆ Internal CDR circuits on both receiver and transmitter channels
- ◆ Power consumption <3W
- ◆ Hot Pluggable SFP form factor and Compliant with SFF-8431,SFF-8472
- ◆ Maximum link length of 70m on OM3 Multimode Fiber (MMF)and 100m on OM4 MMF with FEC
- ◆ Dual LC connector receptacle
- ◆ Built-in digital diagnostic functions
- ◆ Operating case temperature 0°C to +70°C
- ◆ 3.3V power supply voltage
- ◆ RoHS 6 compliant(lead free)

## Applications

- ◆ IEEE 802.3cd 50GBASE-SR

## Description

The Gigalight Technologies GSS-MPO560-SRC is a single-Channel, Pluggable, Fiber-Optic SFP56 for 26.5625GBd PAM4 Ethernet Applications. It is a high performance module for short-range data communication and interconnect applications which operate at 53.125Gbps up to 70 m using OM3 fiber or 100 m using OM4 fiber. This module is designed to operate over multimode fiber systems using a nominal wavelength of 850nm. The electrical interface uses a 20 contact edge type connector. The optical interface uses duplex LC receptacle. This module incorporates Gigalight Technologies proven circuit and VCSEL technology to provide reliable long life, high performance, and consistent service.