



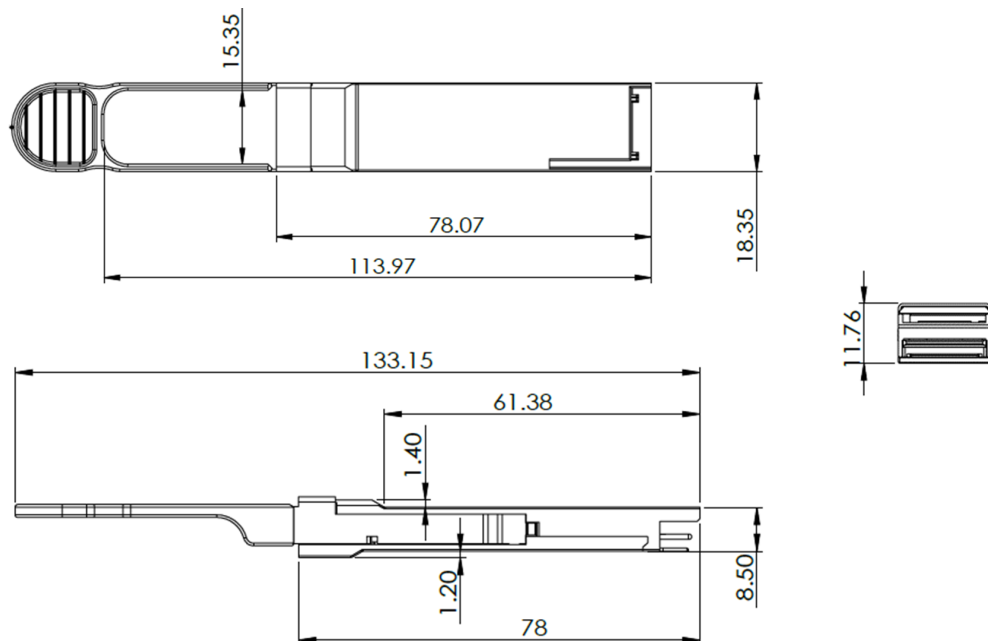
100% performance.  
30% less power  
consumption.

### SR4 Green Transceiver

The ProLabs Green transceiver is a 100Gbps optical pluggable transceiver compliant with IEEE 802.3bm 100GBase-SR4 CAUI-4 and QSFP28 MSA. It supports short reach 100M optical link with very low power consumption typically less than 2 watts, significantly reducing Data Center operating expenses.

### Key Features

- Very low power consumption <2.5W (typical 2W)
- Supports 100Gb/s data rate links of 70m/100m via OM3/OM4, respectively
- Hot pluggable electrical interface
- Single 3.3V power supply
- Using standard 12/8 lane optical fiber with MPO pluggable optical connector
- 0 to 70°C case temperature operating range
- 4x25Gb/s 850nm VCSEL-based transmitter
- RoHS-6 Compliant (lead-free)
- Compliant with 100G Ethernet IEEE 802.3bm 100GBASE-SR4
- Compliant with SFF-8665 (QSFP28 Solution) Revision 1.8
- TAA compliant



## Absolute Maximum Rating

PARAMETER	SYMBOL	MIN	TYP.	MAX	UNITS	NOTES
Storage Temperature	Ts	-40		85	°C	
Case Operating Temperature	Tc	0		70	°C	
Relative Humidity	RH	5		85	%	
Supply Voltage (3.3V)	Vcc	-0.5		3.6	V	
Power consumption			2.0	2.5	W	
Dimensions (cm)	W=1.37 D=7.12 H=1.4					

## Regulatory and Compliance

	STANDARD	NOTES
IEEE	802.3bm 100Base-SR4 CAUI-4	
MSA	QSFP28, SFF-8665	
Laser Safety	IEC60825-1	Class 1M
RoHS	RoHS-6	

## Typical Applications and Use Cases

- 100 Gigabit Ethernet interconnects
- Infiniband EDR, FDR and QDR interconnects
- High Performance Computing (HPC) interconnects
- Data Center intra-rack and inter-rack optical link

## Ordering Information

PART NUMBER	DESCRIPTION
XX	XX

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