Leverage Technology is based on Optical sub-assembly (OSA) manufacturing technology, such as TOSA, ROSA, BOSA, Pigtail and Receptacle products all can choose different connector like LC, FC, SC, ST. We also can provide customized products to customer.

Optical sub-assembly is necessary component of fiber optics products, transmitter (TOSA) and receiver (ROSA) optical sub-assembly are included.

TOSA consists of a laser diode, optical interface, monitor photodiode, metal and/or plastic housing, and electrical interface. Depending upon the required functionality and application, other components may be present as well including filter elements and isolators. It is used to convert signal into an optical signal coupled into an optical fiber cable.

ROSA consists of a photodiode, optical interface, metal and/or plastic housing, and electrical interface. Depending upon the required functionality and application, other components may be present as well including amplifiers. It is used to receive an optical signal from a fiber and convert it back into an electrical signal.