

## SFP-10G-T-0DB-AO

MSA Compliant 10GBase-TX SFP+ Loopback with 0dB Attenuation

### Features:

- SFF-8431 and SFF-8432 compliant module
- 0dB attenuation
- High-frequency printed circuit board (PCB) w/controlled impedance traces to loop the high speed lane RX to TX lane
- Compatible with existing 10G SFP+ connector ports
- Backward compatible with 1G SFP
- EEPROM per SFP+ MSA
- Custom mechanical solutions with and without EMI springs fingers
- Enables system communication over I2C bus
- RoHS Compliant and Lead-Free
- Available as a push to release design to ease releasing the loopback from the port



### Applications:

- 10GBase Ethernet
- Access and Enterprise

### Product Description

This MSA compliant SFP+ loopback provides a simple solution to loopback testing on individual ports with the use of a cable assembly. It has 0dB of attenuation and is compatible with existing 10G SFP+ and 1G SFP ports. All of our transceivers are built to comply with Multi-Source Agreement (MSA) standards and are uniquely serialized and tested for data-traffic and application to ensure seamless network integration. We stand behind the quality of our products and proudly offer a limited lifetime warranty.

AddOn's transceivers are RoHS compliant and lead-free.

**Mechanical Performance**

| Parameter        | Min. | Typ. | Max. | Unit |
|------------------|------|------|------|------|
| Insertion Force  |      |      | 40   | N    |
| Withdrawal Force |      |      | 11.5 | N    |
| Retention        | 90   |      |      | N    |
| Mating Cycles    | 500  |      |      |      |

**Electrical Performance**

- Differential Impedance: 100Ω ± 10Ω.

**Environmental Specifications**

- Thermal Shock: EIA 364-32, Condition 1.25 cycles, -55°C to 85°C.
- Service life expectancy to exceed 5 years.

**Material Specifications**

- Nickel-plated zinc die cast shells and latching mechanism parts.
- Low-loss PCB with gold fingers for durability.
- Integral metal pull tab.

## About AddOn Networks

In 1999, AddOn Networks entered the market with a single product. Our founders fulfilled a severe shortage for compatible, cost-effective optical transceivers that compete at the same performance levels as leading OEM manufacturers. Adhering to the idea of redefining service and product quality not previously had in the fiber optic networking industry, AddOn invested resources in solution design, production, fulfillment, and global support.

Combining one of the most extensive and stringent testing processes in the industry, an exceptional free tech support center, and a consistent roll-out of innovative technologies, AddOn has continually set industry standards of quality and reliability throughout its history.

Reliability is the cornerstone of any optical fiber network and is ingrained in AddOn's DNA. It has played a key role in nurturing the long-term relationships developed over the years with customers. AddOn remains committed to exceeding industry standards with certifications ranging from NEBS Level 3 to ISO 9001:2015 with every new development while maintaining the signature reliability of its products.



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