



**DIGISOL™**

# SWITCHING SOLUTIONS

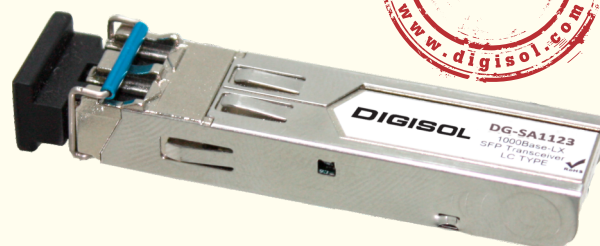
## DIGISOL Bi-Directional SFP Transceivers

### DG-SA1123-BDT/DG-SA1123-BDR



#### Key Features:-

- SFP Multisource Agreement (MSA) compliant
- Hot Pluggable
- Low power dissipation
- Single power supply 3.3V



#### Introduction:-

**DIGISOL** The Small Form Factor Pluggable (SFP) transceiver module is specifically designed for the high performance integrated full duplex data link over a single optical fiber. The transceiver module is compliant with the SFP Multi Source Agreement (MSA). With the hot pluggability, these modules offer an easy way to be installed into SFP MSA compliant ports at any time without the interruption of the host equipments operating online.

DG-SA1123-BDT and DG-SA1123-BDR is Bi-Directional SFP transceiver with data transmission up to 20km on a single-mode (9/125μm) optical fiber.

#### Technical Specifications:-

##### Standard

- 100BASE-BX 10-U compatible
- OC-3 IR-1/ STM S-1.1 compliant

##### Transceiver Type

- SFP (Small Form Pluggable)

##### Connector

- Single LC connector

##### Operating Wavelength

- DG-SA1123-BDT (Tx/Rx) : 1310nm/1550nm
- DG-SA1123-BDR (Tx/Rx) : 1550nm/1310nm

##### Data Rate

- 125Mbps IEEE802.3ah 100BASE-BX 10-U compatible
- 155Mbps OC-3 IR-1/ STM S-1.1 compliant

##### Cable Type

- Single core single-mode (9/125μm) optical fiber Maximum Cable Distance Coverage
- 20km

##### Supply Current

- 150mA (Typical)
- 300mA (Maximum)

##### Input Voltage

- 3.1V (minimum)
- 3.3V (Typical)
- 3.5V (maximum)

##### Operating Temperature

- 0° C to 70° C

##### Storage Temperature

- -40° C to 85° C

##### Warranty

- DIGICARE 1 Year Warranty

#### Ordering Information:-

**DG-SA1123-BDT : DIGISOL 100Mbps SM SFP Transceiver, Tx/Rx: 1310nm/1550nm, LC Type (20kms)**

**DG-SA1123-BDR : DIGISOL 100Mbps SM SFP Transceiver, Tx/Rx: 1550nm/1310nm, LC Type (20kms)**

\*Standard Warranty shall be subject to terms and conditions specified in the DIGISOL PRODUCT WARRANTY displayed on the website of the company.

DIGISOL Logos are trademarks and/or registered trademarks of DIGISOL SYSTEMS LIMITED. Other trademarks, product, service and company names mentioned are the property of their respective owners. Information is subject to change without notice. The actual product appearance may differ from the one shown here. © 2018 DIGISOL SYSTEMS LIMITED. All rights reserved.

DIGISOL is a Subsidiary of Smartlink Holdings Limited

**DIGISOL SYSTEMS LIMITED**  
215 Atrium Bldg., 2nd Floor,  
B-Wing, Opp. Big Cinema,  
Courtyard Marriott Compound,  
Andheri-Kurla Road,  
Andheri (E), Mumbai - 400093.



1800-209-3444



www.digisol.com



helpdesk@digisol.com

@DIGISOLINDIA

Datasheet Updated: 26th December 2018