

GLC-T-SY

10/100/1000BASE-T SFP, 100 m over CAT5, RJ45 TRANSCEIVER

1. FEATURES AND SPECIFICATIONS

- ▶ Form Factor: **SFP**
- ▶ Connector: **RJ45**
- ▶ Operating Data Rate: **10/100/1000Mbit**
- ▶ Temperature Range: **0 to +70°C, -40 to +85°C**
- ▶ Protocol(s): **GE**
- ▶ Compliance: **SFP MSA, SFF-8472**
- ▶ Cable Type: **Cat5**
- ▶ Power Dissipation: **1.05 W**
- ▶ Nominal Distance: **100 m**
- ▶ Full metallic enclosure for low EMI

2. ABSOLUTE CHARACTERISTICS

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT
SIGNAL INPUT VOLTAGE	V_{IN}	0	-	4.3	V
POWER SUPPLY VOLTAGE	V_{CC}	-0.5	-	4	V
OPERATING TEMPERATURE	T_{CASE}	0	-	+70	°C
STORAGE TEMPERATURE	T_S	-40	-	+85	°C

3. ELECTRICAL OPERATING CONDITIONS

PARAMETER	SYMBOL	MIN.	TYP.	MAX.	UNIT
SUPPLY CURRENT	I_{CC}	-	0.3	0.35	A
SUPPLY VOLTAGE	V_{CC}	3.13	3.3	3.47	V
SURGE CURRENT	I_{SURGE}	-	-	0.03	A

4. ORDERING INFORMATION

PART NAME	DESCRIPTION
GLC-T-SY	10/100/1000Base T SFP, 100 m over Cat5, RJ45, speeddy
GLC-T-I-SY	10/100/1000Base T SFP, 100 m over Cat5, RJ45, Industrial temperature -40 to +85°C, speeddy

5. COMPATIBILITY

A10NETWORKS (AXSK-CSFP-COP), ACCEDIAN NETWORKS (7SV-000), ADTRAN (1184561P4, 1442300G1), ADVA (0061705890), ADVANTECH (SFP-GTX/RJ45-AE), ALCATEL-LUCENT ENT. (MINIGBIC-T, SFP-GIG-T), ALLIED TELESIS (AT-SPTX), ARAKNIS NETWORKS (AN-ACC-SFP-E-100), ARRIS (722872), ARUBA NETWORKS (JW089A), ARUBA NETWORKS/HP NETWORK (J8177C, JD8177D), AVAYA/NORTEL (AA1419043-E6), BAROX (AC-SFP-TX-T2A), BLACKBOX (LFP415), BLUECOAT (SFP-T), BROCADE/RUCKUS (E1MG-TX), CALIX (100-01661), CAMBIUM NETWORKS (SFP-1G-COPPER), CENTEC (SFP-T), CERAGON (SFP-GE-COPER-EXT-TEMP), CHECK POINT (CPAC-DP-1C-SFP, CPAC-TR-1T-B), CIENA (XCVR-000CRJ), CIENA/NORTEL (NTPP61AAE6), CISCO SYSTEMS (GLC-T, ONS-SE-ZE-EL, SFP-CU-RJ45), CISCO SYSTEMS/LINKSYS (MGBT1), CISCO SYSTEMS/VIPTELA (VIP-SFP-1GE-BASET), CISCO/MERAKI (MA-SFP-1GB-TX), CITRIX NETSCALER (EW3A0000235), CLAVISTER (APP-SFP-1G-TX), COMNET (SFP-1), CORIANT/TELLABS (81.S1GBE450010), CTC UNION (ISFP-T7T00-00), CUMULUS NETWORKS (SFP-T), CYAN (280-0017-00), DELL (407-10439, 407-BBEL, 407-BBOS, 407-BBTS), DELL/FORCE10 (GP-SFP2-1T), DELOCK (86045), DIGITUS (DN-81005), D-LINK (DGS-712), ECI (ETGBE), EDGE CORE (ET4201-RJ45), ERICSSON (RDH90120/49800), EXTREME (10070H), EXTREME/ENTERASYS (MGBIC-02), F5 NETWORKS (F5-UPG-SFPC-R), FIBROLAN (SF1G-T), FIREEYE (BASET1GPX-HW), FLUKE NETWORKS (SFP-1000TX), FORTINET (FG-TRAN-GC, FS-TRAN-GC), FUJITSU (S26361-F3986-E1), GENBAND (SFP-TX), H3C/3COM (3CSFP93), HARMONIC (GSF9100), HILLSTONE (TRAN-GC-IN), HIRSCHMANN (M-SFP-TX/RJ45-EEC), HP H3C (JD089B), HUAWEI (OEGD01N01, SFP-1000BASET, SFP-GE-T), INFINERA/TRANSMODE (TRX100034), INTEL (SFP-T), JUNIPER (EX-SFP-1GE-T, NS-SYS-GBIC-MTX, QFX-SFP-1GE-T, SFP-1GE-FE-E-T, SFP-1GE-T, SRX-SFP-1GE-T), JUNIPER/BTI SYSTEMS (BP3AE2ES), KEMP TECHNOLOGIES (LM-SFP-RJ45), KEYMILE (37973045), KEYSIGHT/IXIA (CGI), KTI NETWORKS (SFP-GTP), KVM-TEC (KT-7014), LANCOM (SFP-CO1), LENOVO (00WC086, 81Y1618), LENOVO/BLADE NETWORK (BN-CKM-S-T), LENOVO/IBM (00FE333), LEVELONE (SFP-3841), LUMINEX (LU9000874), MARCONI (SU57AG), MCAFEE (ITV-2KTG-NA-100A), MOXA (SFP-1GTXRJ45-T), MRV (SFP-GA-R), MSA (GLC-T), NAPATECH (SFP-TRI), NET INSIGHT (NPA0040-T001), NETAPP (X6568-R6), NETGEAR (AGM734), NETOPTICS (SFPKT-GCU), NEVION (SFP-1GE-RJ45), NOKIA SIEMENS NETWORKS (V50017-U355-K500), NOKIA/ALCATEL-LUCENT (1AB359780001, 3FE28784AA, 3HE00062AA, 3HE00062CB, 3HE11904AA), NOKIA-SIEMENS/ATRICA (AT10037-R), NOVIFLOW (400000516), NVIDIA/MELLANOX (MC3208411-T), ORACLE (X2123A), PACKETLIGHT (SL5), PALO ALTO NETWORKS (PAN-SFP-CG), PLANET (MGB-GT), QUANTA (1000BASE-T), RAD (SFP-9G), RAISECOM (USFP-GB), REDBACK (SFP-GE-TX), RIVERSTONE (SFPGE-12), SECUNET (SFP-T), SONICWALL (01-SSC-9791), SOPHOS (ASG000TX, ITFZTCHTC), SPIRENT (ACC-6092A), SUPERMICRO (SFP-T), SYMANTEC (1000BASE-T), SYNOLOGY (SFP-1G-T), TELCO SYSTEMS (BTI-MGBIC-M-TX), TP-LINK (SFP-T), TRANSITION NETWORKS (TN-SFP-TX), UBIQUITI NETWORKS (CM-RJ45-1G, UF-RJ45-1G), VIAVI/JDSU (CSFP-1G-CU), VOLEATECH (SFP-T), VSS MONITORING (V-SFP-10), WATCHGUARD (WG8584), WAYSTREAM/PACKETFRONT (SFP-1000BASE-T), WESTERMO (1100-0148), ZTE (SFP-GE-RJ45), ZYXEL (SFP-1000T)

6. WARNINGS AND SECURITY INFORMATION



This equipment has been tested according to European legislation and has been found safe, non-intervening with other electronic devices and is not subject to interference from other electronic devices



Hazardous Goods; our products are fully compliant with Directive 2011/65/EU (RoHS II) and 2002/95 EC (RoHS I)



Only (dis)connect the transceivers in an ESD Protected Area while using certified equipment and taking all necessary precautions as specified in IEC 61340-5-1.

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