

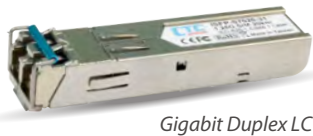
CTC Union's industrial SFP Transceivers are high reliable, for serial optical data communications applications specified for a single mode at 1.25G/155Mbps. They operate with +3.3V power supplies and are intended for single mode or multi-mode fiber, operating at a nominal wavelength of 1310nm/1550nm/850nm. Each SFP Transceiver consists of a transmitter optical subassembly, a receiver optical subassembly and an electrical subassembly. CTC Union's industrial SFP transceivers ensure your networks operate with maximum reliability, performance, and flexibility.

Key Features

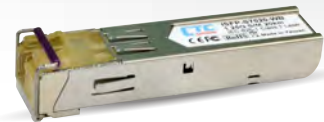
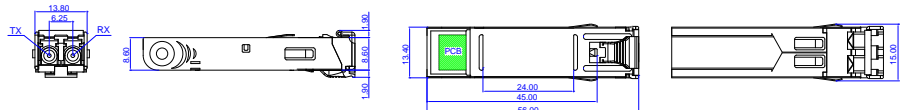
- All SFPs have been tested with the best operating performance on CTC Union's Industrial switches
- Single 3.3V power supply
- Duplex or Simplex LC receptacle connector
- Hot Pluggable
- Lower power dissipation
- All Gigabit SFP Compliant to IEEE802.3z 1000Base-X and IEEE802.3ab 1000Base-T
- All Fast Ethernet SFP Compliant to IEEE802.3u 100Base-FX
- Industry standard small form pluggable (SFP) package
- Compliant with Multi-Source Agreement (MSA) Small Form Factor Pluggable (SFP)
- Eye safety compliant with Class 1 laser product standard IEC825-1
- CE, FCC class B certification
- RoHS compliant
- 5 years warranty



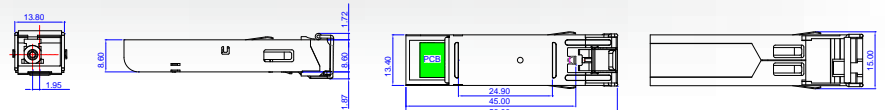
Gigabit Ethernet SFP



Gigabit Duplex LC



Gigabit BiDi LC

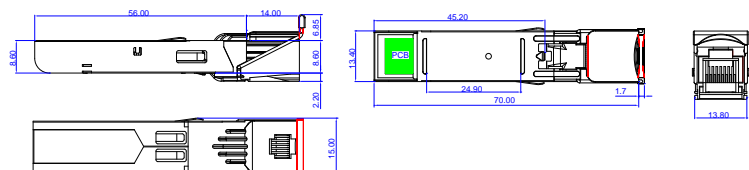


1.25G 1000Base-X

Model Name	Cable Type	Typical Distance	Wavelength (nm)	TX (dBm) (Min~Max)	RX Sensitivity (dBm)	Power Budget (dB)	Saturation (dBm)	Operating Temperature
ISFP-M7000-85	MM	550m	850	-9.5 ~ -4	-17	7.5	-3	-10~70°C
ISFP-M7002-31	MM	2km	1310	-9 ~ -1	-19	10	-1	-10~70°C
ISFP-S7020-31	SM	20km	1310	-8 ~ -2	-23	15	-1	-10~70°C
ISFP-S7040-31	SM	40km	1310	-2 ~ 3	-23	21	-3	-10~70°C
ISFP-S7080-55	SM	80km	1550	0 ~ 5	-24	24	-3	-10~70°C
ISFP-S7020-WA	SM	20km	T1310 / R1550	-8 ~ 2	-23	15	-2	-10~70°C
ISFP-S7020-WB	SM	20km	T1550 / R1310	-8 ~ -2	-23	15	-2	-10~70°C
ISFP-S7040-WA	SM	40km	T1310 / R1550	-3 ~ -2	-23	20	-1	-10~70°C
ISFP-S7040-WB	SM	40km	T1550 / R1310	-3 ~ -2	-23	20	-1	-10~70°C
ISFP-M7000-85-E	MM	550m	850	-9.5 ~ -4	-17	7.5	-3	-40~85°C
ISFP-M7002-31-E	MM	2km	1310	-9 ~ -1	-19	10	-1	-40~85°C
ISFP-S7020-31-E	SM	20km	1310	-8 ~ -2	-23	15	-1	-40~85°C
ISFP-S7040-31-E	SM	40km	1310	-2 ~ 3	-23	21	-3	-40~85°C
ISFP-S7080-55-E	SM	80km	1550	0 ~ 5	-24	24	-3	-40~85°C
ISFP-S7020-WA-E	SM	20km	T1310 / R1550	-8 ~ -2	-23	15	-2	-40~85°C
ISFP-S7020-WB-E	SM	20km	T1550 / R1310	-8 ~ -2	-23	15	-2	-40~85°C
ISFP-S7040-WA-E	SM	40km	T1310 / R1550	-3 ~ -2	-23	20	-1	-40~85°C
ISFP-S7040-WB-E	SM	40km	T1550 / R1310	-3 ~ -2	-23	20	-1	-40~85°C



Gigabit Copper



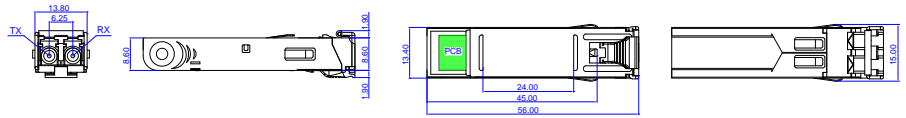
1.25G 1000Base-T

Model Name	Cable Type	Typical Distance	Wavelength (nm)	TX (dBm) (Min~Max)	RX Sensitivity (dBm)	Power Budget (dB)	Saturation (dBm)	Operating Temperature
ISFP-T7T00-00	Copper	100m	—	—	—	—	—	-10~70°C
ISFP-T7T00-00-E	Copper	100m	—	—	—	—	—	-40~85°C

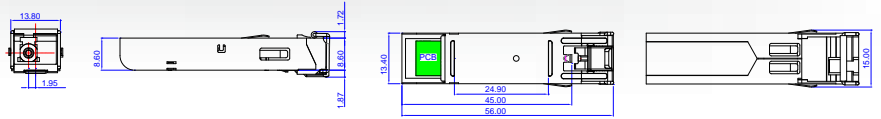
Fast Ethernet SFP



Duplex LC



BiDi LC

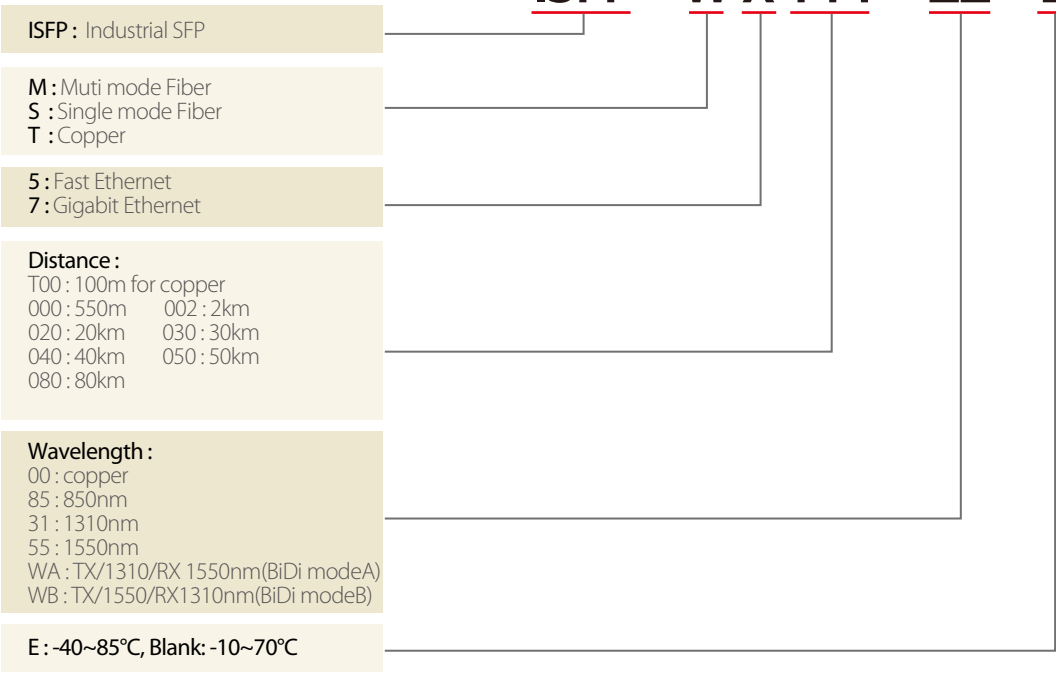


155Mbps 100Base-FX

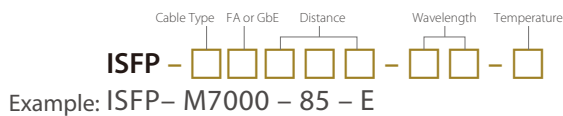
Model Name	Cable Type	Typical Distance	Wavelength (nm)	TX (dBm) (Min~Max)	RX Sensitivity (dBm)	Power Budget (dB)	Saturation (dBm)	Operating Temperature
ISFP-M5002-31	MM	2km	1310	-20 ~ -14	-32	12	-8	-10~70°C
ISFP-S5030-31	SM	30km	1310	-15 ~ -8	-34	19	-5	-10~70°C
ISFP-S5050-31	SM	50km	1310	-5 ~ 0	-35	30	-5	-10~70°C
ISFP-S5020-WA	SM	20km	T1310 / R1550	-14 ~ -8	-32	18	-3	-10~70°C
ISFP-S5020-WB	SM	20km	T1550 / R1310	-14 ~ -8	-32	18	-3	-10~70°C
ISFP-S5040-WA	SM	40KM	T1310 / R1550	-8 ~ 0	-34	26	0	-10~70°C
ISFP-S5040-WB	SM	40KM	T1550 / R1310	-8 ~ 0	-34	26	0	-10~70°C
ISFP-M5002-31-E	MM	2km	1310	-20 ~ -14	-32	12	-8	-40~85°C
ISFP-S5030-31-E	SM	30km	1310	-15 ~ -8	-34	19	-5	-40~85°C
ISFP-S5050-31-E	SM	50km	1310	-5 ~ 0	-35	30	-5	-40~85°C
ISFP-S5020-WA-E	SM	20km	T1310 / R1550	-14 ~ -8	-32	18	-3	-40~85°C
ISFP-S5020-WB-E	SM	20km	T1550 / R1310	-14 ~ -8	-32	18	-3	-40~85°C
ISFP-S5040-WA-E	SM	40KM	T1310 / R1550	-8 ~ 0	-34	26	0	-40~85°C
ISFP-S5040-WB-E	SM	40KM	T1550 / R1310	-8 ~ 0	-34	26	0	-40~85°C

Industrial SFP naming rule

ISFP - W X YYY - ZZ - E



Ordering Information



The specification and pictures are subject to change without notice.



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Printed 01/2015 V1.0