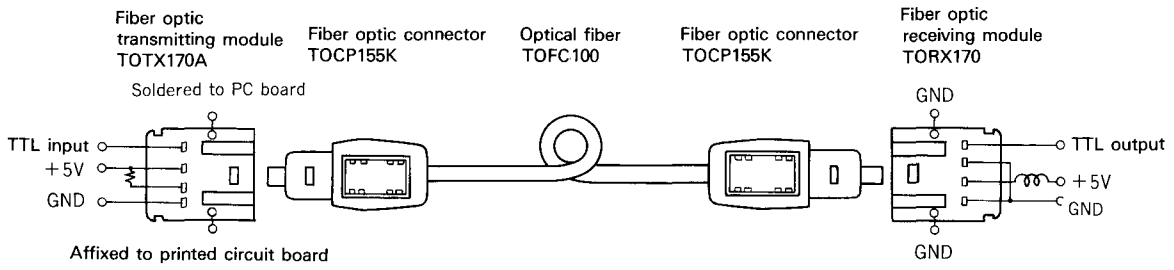
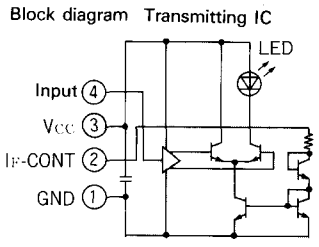
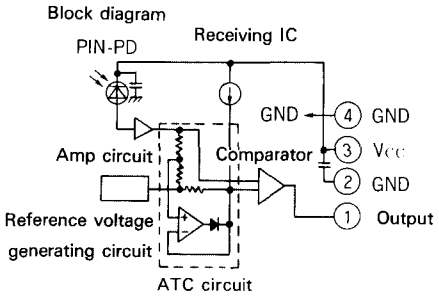
Typical Application Example

An application example using TOSLINK is described below. Block diagrams show the internal units of fiber optic transmitting and receiving modules.



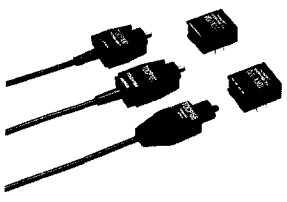




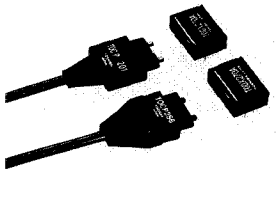
Product Chart

Item / Type No.	Direction	Data rate	Transmission distance	I/O interface	Features
TOTX170A/TORX170	Simplex	DC~6Mb/s (NRZ)	40m (APF) 55m (PCF)	TTL	● Compact (height: 8.5mm) ● Single +5V power supply ● Built-in transmitting or receiving circuits
TODX270A	Duplex	DC~6Mb/s (NRZ)	40m (APF) 55m (PCF)	TTL	● RS-232-C signals; conforms to JIS C6361 ● Standard 25-pin D-sub connector type ● Multiplex function built in; total of 8 channels for signal transmission
TOED120/TORX120	Simplex	DC~100Mb/s (NRZ)	500m (silica)	TTL/ECL	● Compact type (height: 8.5mm) ● Transmitting circuit and LED, receiving circuit and PD are built into the package
Fiber optic modem TODX705/TODX706	Duplex	DC~64kb/s	1000m (PCF)	—	● Compact type (height: 8.5mm) ● Optimum for high-speed mid-range transmission ● PD and Amp circuits are built into the fiber optic receiving module

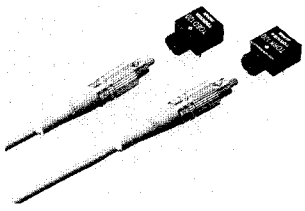
TOTX170A/TORX170



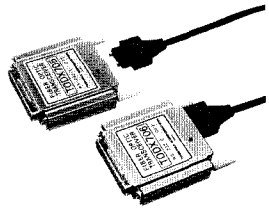
TODX270A



TOED120/TORX120



TODX705/TODX706



(Note) (1) APF = All plastic Fiber, PCF = Plastic Cladding Silica Fiber, Silica = Silica Fiber
(2) TOSLINK™ is a trademark of Toshiba Corporation.