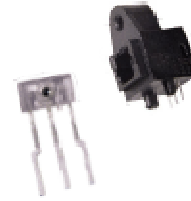


## Fiber Optic Device (FOD)

Fiber Optic Device is a data transmission module which uses optic signals instead of electrical signals and with driver IC of Tx, PD and V/I amplifiers of Rx integrated into substrate  
(Tx = Fiber Optic / Rx = Fiber Optic Receiver)

Versions for : Digital Audio Equipment(CD, MD), STR, DVD and Digital Amplifiers

- Low Jitter Output
- Rx : High Sensitivity Optimized for Light of 650nm Wavelength
- Support for Data Rates Between 100Kbps to 16Mbps
- Available Operating Voltage : 2.7 ~ 5.5V



Key Advantages :

- **Excellent** jitter characteristics
- **Easy** Mounting on set panel  
(with two or three fixing holes depending on customers)

(Ta=25c)

### 1)Transmitters

Part No.	Features	Absolute Maximum Ratings		Electro-Optical Characteristics					
		Vcc (V)	Vin (V)	Supply Voltage (V)	Propagation Delay Time		Dissipation Current Icc(mA) MAX.	Pulse Width Distortion tw(ns)	Operating Transfer Rate (Mb/s)
					tPLH (ns) MAX.	tPHI (ns) MAX.			
KFO-TX08CA	3Pin Cap Housing	- 0.5~7.0	Vcc+0.5	4.75~5.25	100	100	10	10	8
KFO-TX08CB	2Pin Cap Housing	- 0.5~7.0	Vcc+0.5	4.75~5.25	100	100	10	10	8
KFO-TX08SA	3Pin Shutter Housing	- 0.5~7.0	Vcc+0.5	4.75~5.25	100	100	10	10	8
KFO-TX13CA	3Pin Cap Housing	- 0.5~7.0	Vcc+0.5	2.7~5.5	100	100	8	15	13
KFO-TX13CB	2Pin Cap Housing	- 0.5~7.0	Vcc+0.5	2.7~5.5	100	100	8	15	13
KFO-TX13SA	3Pin Shutter Housing	- 0.5~7.0	Vcc+0.5	2.7~5.5	100	100	8	15	13
KFO-TX16CA	3Pin Cap Housing	- 0.5~7.0	Vcc+0.5	2.7~5.5	100	100	8	15	16
KFO-TX16CB	2Pin Cap Housing	- 0.5~7.0	Vcc+0.5	2.7~5.5	100	100	8	15	16
KFO-TX16SA	3Pin Shutter Housing	- 0.5~7.0	Vcc+0.5	2.7~5.5	100	100	8	15	16
KOP-1001A	Discrete	- 0.5~7.0	Vcc+0.5	4.75~5.25	100	100	10	10	8
KOP-1003A	Discrete	- 0.5~7.0	Vcc+0.5	2.7~5.5	100	100	8	15	13
KOP-1002A	Discrete	- 0.5~7.0	Vcc+0.5	2.7~5.5	100	100	8	15	16

### 2)Receivers

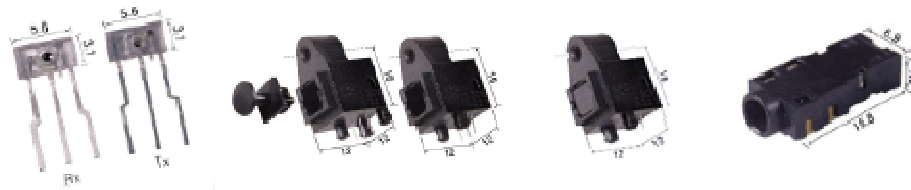
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info@admaterc.ch, www.admaterc.ch

Part No.	Features	Absolute Maximum Ratings		Electro-Optical Characteristics					
		Vcc (V)	Vin (V)	Supply Voltage (V)	Propagation Delay Time		Dissipation Current Icc(mA) MAX.	Pulse Width Distortion tw(ns)	Operating Transfer Rate (Mb/s)
					t <sub>PLH</sub> (ns) MAX.	t <sub>PHL</sub> (ns) MAX.			
KFO-RX16CA	3Pin Cap Housing	-0.5~7.0	Vcc+0.3	4.75~5.25	100	100	7	20	16
KFO-RX16CB	2Pin Cap Housing	-0.5~7.0	Vcc+0.3	4.75~5.25	100	100	7	20	16
KFO-RX16SA	3Pin Shutter Housing	-0.5~7.0	Vcc+0.3	4.75~5.25	100	100	7	20	16
KOP-1021A	Discrete(Rx)	-0.5~7.0	Vcc+0.3	4.75~5.25	100	100	7	20	16

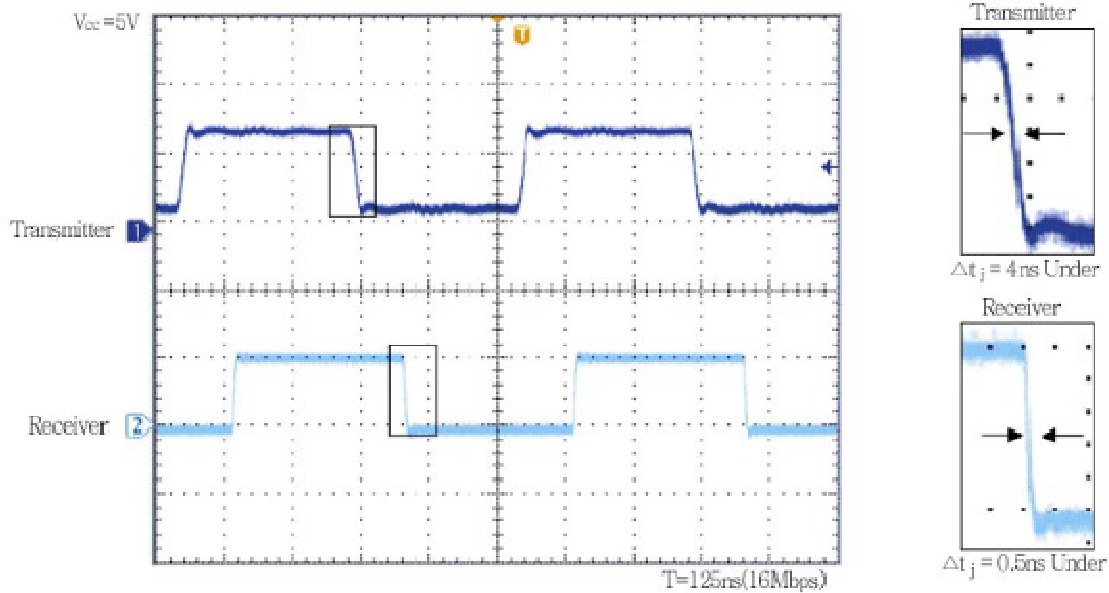
**Package-holder options**

Package..CA	3Pin Cap Housing	Package..SA	Pin Shutter Housing
Package..CB	2Pin Cap Housing	Package..JA	Mini Jack Housing



**Discrete                      Cap                      Shutter                      Mini Jack**

**Jitter Performance of 16 Mbps**



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