

KFO-TX08CA

Features

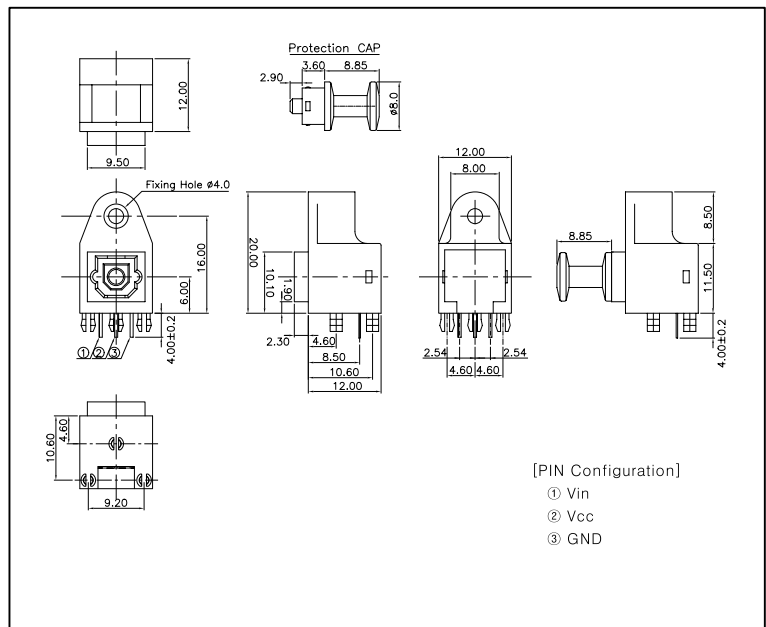
- Low Jitter Output
- Operating Voltage : 4.75 ~ 5.25V
- TTL Interface
- Signal Transmission Speed : 8Mbps
- A Self-tapping Hole for Easy Attachment to Audio Equipment Panels
- 3 pin Cap Housing

Applications

- Digital Audio Equipment(CD,MD),
STB, DVDP, etc

Dimensions

(Unit : mm)



Absolute Maximum Ratings

[Ta = 25℃]

Description	Symbol	Ratings	Condition
Power Supply Voltage	V_{CC}	-0.5 ~ +7.0	-
Input Voltage	V_{IN}	$V_{CC}+0.5V$	-
Operating Temperature	T_{opr}	-20 ~ +70℃	-
Storage Temperature	V_{stg}	- 30 ~ + 80 ℃	-
Soldering Temperature *1	T_{sol}	260 ℃	-

*1 : Soldering Time ≤ 10 seconds(At a distance of 1mm from the package)

Electro-Optical Characteristics

[Vcc= 5V, Ta= 25℃]

Parameter	Symbol	Characteristics	Condition
Operating Supply Voltage	V_{CC}	4.75 ~ 5.25 V	-
Peak Emission Wavelength	λ_p	TYP 660 nm	-
Data Rate	T	MAX 8 Mbps	-
Optical Output Coupling with Fiber	P_c	MIN -21 dBm	-
Current Consumption	I_{CC}	MAX 10.0 mA	-
Input High Level	V_{IH}	MIN 2.0 V	-
Input Low Level	V_{IL}	MAX 0.8 V	-
Propagation Delay Time (H -> L)	t_{pHL}	MAX 100 ns	-
Propagation Delay Time (L -> H)	t_{pLH}	MAX 100 ns	-
Pulse Width Distortion	Δtw	MAX 10 ns	-
Jitter	Δtj	MAX 15 ns	-