

## FL-3620 / PT-3610 SERIES

### 8-Pin Ethernet Single-Mode Optical Transmitter / Receiver

#### FEATURES

- \* Distance up to 20 km at signal rates of 1 to 20 MBd
- \* 1310 nm wavelength emission
- \* Single-mode fiber operation
- \* Wave solder and aqueous wash process compatible
- \* Panel mount ST connectors (FL-3620 / PT-3610)
- \* Panel mount FC connectors (FL-3620F / PT-3610F)
- \* Industrial standard 8-pin configuration



#### APPLICATION

- \* Single-mode extensions to Ethernet (10-Base-F) links
- \* Single-mode connection

#### DESCRIPTION

FL-3620 / PT-3610 series is specified designed for the Ethernet single-mode transmitter / receiver application.

FL-3620 / FL-3620F ELECTRICAL AND OPTICAL CHARACTERISTICS (T <sub>c</sub> =25 °C)						
Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
I <sub>th</sub>	Threshold Current	CW	---	12	20	mA
V <sub>OP</sub>	Operating Voltage	I <sub>op</sub> =40mA, SM fiber	---	1.2	1.5	V
P <sub>f</sub>	Fiber Coupled Power		-20	---	-10	dBm
λ	Peak Wavelength		1280	1310	1340	nm
Δλ	Spectrum Width		---	---	5	nm

PT-3610 / FL-3610F ELECTRICAL AND OPTICAL CHARACTERISTICS (T <sub>c</sub> =25 °C)						
Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
Sen	Sensitivity	1 to 20 MBd, SM fiber		-36	-34	dBm
Pin, sat	Saturation		-5	0	---	dBm
V <sub>cc</sub>	Supply Voltage		4.75	5	5.25	V
I <sub>cc</sub>	Supply Current		20	25	35	mA

Recommended Operating Conditions						
Symbol	Parameter	Test Conditions	Min.	Typ.	Max.	Unit
T <sub>opr</sub>	Operating Temperature		0		70	°C
T <sub>stg</sub>	Storage Temperature		-40		85	°C

