

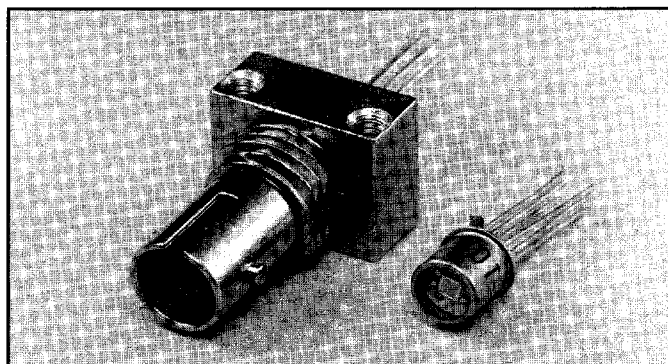
Fiberoptic Receiver

BPX65-100

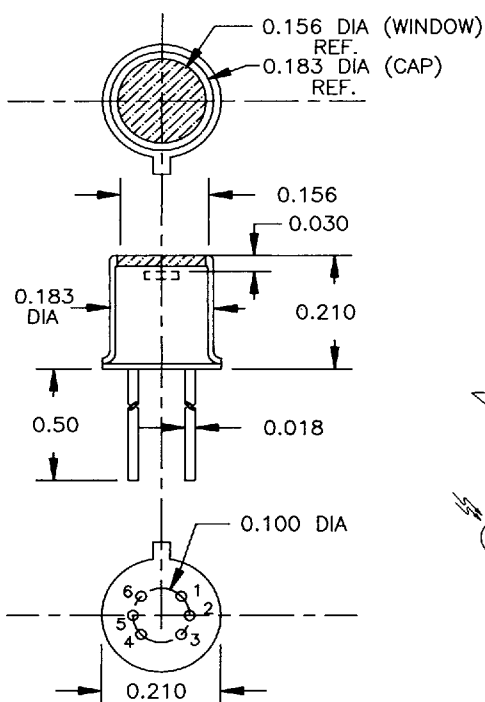
The BPX65-100 receiver contains a BPX-65 ultra high speed photodiode coupled to an NE5212 (Signetics) transimpedance amplifier. Standard products include ST and SMA connector versions.

ABSOLUTE MAXIMUM RATINGS

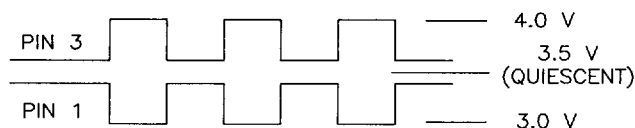
	Max. Rating	Unit
Maximum Voltage	6	V
Operating Temperature Range	-20 to +70	°C



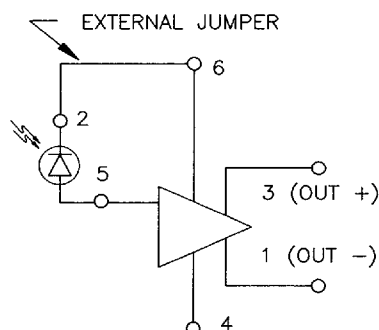
BPX65-100ST AND BPX65-100



**BPX65-100
OUTLINE DIMENSIONS**



OUTPUT WAVEFORMS (NOMINAL VALUES)



**BPX65-100
SCHEMATIC**

PIN DESIGNATIONS

- 1 - OUTPUT (-)
- 2 - CELL CATHODE
- 3 - OUTPUT (+)
- 4 - GROUND & CASE
- 5 - CELL ANODE
- 6 - Vcc (5V)

Receiver Data at 25°C

Type No.	Fiber Connector	Power Supply	Detector Responsivity $\lambda = 850 \text{ nm}$	Amplifier Gain	Max. Data Rate
BPX65-100	NONE	5 V	0.5 A/W	14 kohms	100 Mb/s
BPX65-100ST	ST	5 V	0.5 A/W	14 kohms	100 Mb/s
BPX65-100SMA	SMA	5 V	0.5 A/W	14 kohms	100 Mb/s



CENTRONIC INC.
2088 Anchor Court
Newbury Park, CA 91320
805-499-5902 • FAX: 805-499-7770

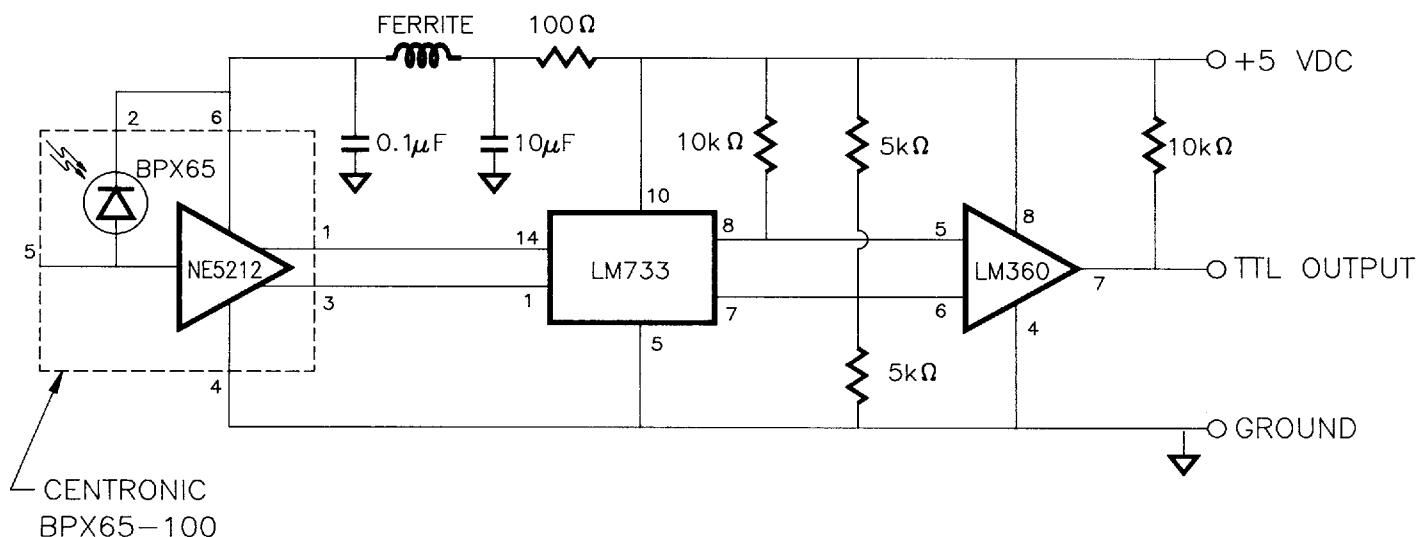
For Sales and Technical Assistance Please Call:

805-499-5902

Fiberoptic Receiver

BPX65-100

Application Note: 50 Megahertz datalink receiver constructed with the BPX65-100. Please note that the 0.1pF capacitors decoupling the +5 volt line should be located as close as possible to pin 6 to avoid oscillation.



50 MHz DATALINK RECEIVER BUILT WITH THE CENTRONIC BPX65-100



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