Preliminary Data Sheet

AC6202 Series

155 Mbps PIN-TIA in TO Package

Features:

- InGaAs Photodide with trans-impedance amplifier
- TO-46 package with ball lens or flat window cap
- Differential or single ended output
- Single power supply from 3.0
- Wide operation temperature (-40°C~ +85°C)
- High reliability
- Suitable for long wavelength 155 Mb/s applications

Applications: Telecommunication and Data communication

Electrical/Optical Characteristics (T_c=25°C)

Parameter	Symbol	Test Condition	Min.	Typ.	Max.	Unit
Power Supply	V_{cc}		3.00	3.3	3.6	V
Supply Current	I_{cc}	No loads			25	mA
Bandwidth	BW		155			MHz
Rise Time/Fall Time	Tr/tf	10% ~ 90%			4.5	ns
Wavelength	λ		1100	1310	1650	nm
Output Resistance	R_o			50		Ohms
Saturation Power	P_{sat}	λ=1310nm	-3			dBm
Sensitivity (BER=10^{-10})	SEN	λ=1310nm		-37	-36	dBm
Differential Output Voltage				1.5		V

Absolute Maximum Ratings(T_c=25°C):

Parameter	Symbol	Ratings	Unit
Case Temperature	T_C	-40 ~ +85	°C
Storage Temperature	T_{stg}	-40 ~ +100	°C
Load Solder Temperature and Time		260 °C, 10sec	

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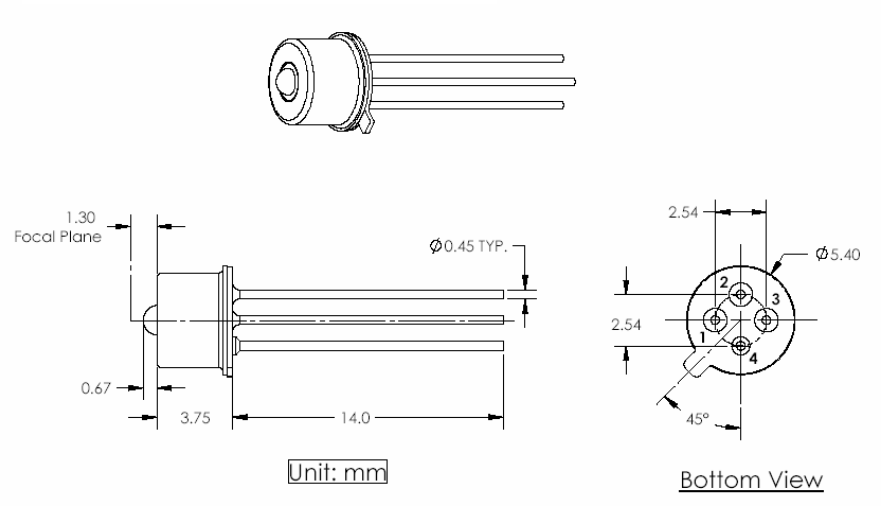
Ordering Information:

AC6202-X

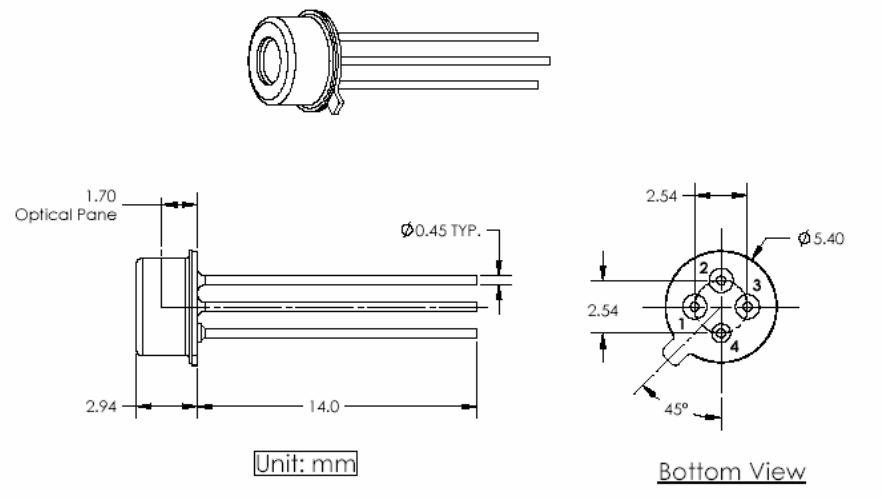
X = S for standard ball lens, X = F for flat window, Customer pin-out available on request.

Outline Drawing (Customer special order is available):

X = S (Standard Ball Lens)



X = F (Flat window)



1	2	3	4
Vcc	- Data	Data	Ground

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