

T-11-155-P-SFC/ SC/ ST-AGC • T-11-155-R-SFC/ SC/ ST-AGC



Features

- InGaAs/ InP PIN Photodiode with transimpedance amplifier
- High sensitivity with AGC (Auto Gain Control)
- Differential ended output
- Single +5V operation
- -40 to +85°C operating temperature

Packaging

- FC/ ST/ SC receptacle package
- SM/ MM fiber pigtailed with optional FC/ ST/ SC connector

Application

- ATM receiver/ transceiver
- Fast ethernet receiver/ transceiver

Absolute Maximum Ratings (T _c = 25°C)						
Parameter	Symbol	Value	Unit			
Supply Voltage	V _{cc}	6	V			
Operating Temperature	T _{opr}	-40 to +85	°C			
Storage Temperature	T _{stg}	-40 to +85	°C			

DC Electrical Characteristics (T _c = 25°C)					
Parameter	Symbol	Min	Тур	Max	Unit
Power Supply	V_{cc}	4.5	5	5.5	V
Differential Output Voltage	V_d	-	1	-	V
Supply Current (no load)	I _{cc}	-	-	35	mA

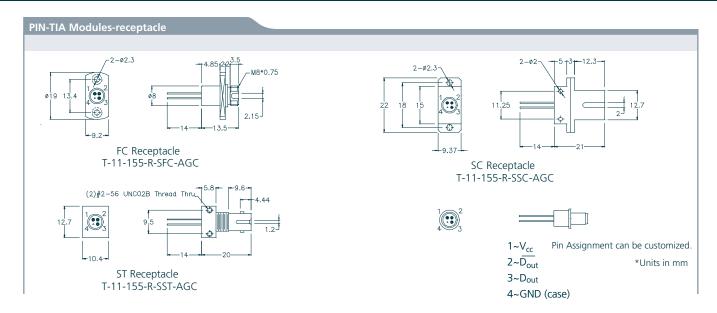
AC Optical and Electrical Characteristics (T _c = 25°C)						
Parameter	Symbol	Min	Тур	Max	Unit	Test Condition
Detection Range		1100	1310	1650	nm	-
Gain @ 10 Mbps, Differential	G	0.17	-	220	V/mW	λ= 1310nm
Bandwidth, (to -3dB point)	BW	120	140	-	MHz	
Saturation Power	P _{sat}	-3	0	-	dBm	λ= 1310nm
Sensitivity	Sens	-	-38	-36	dBm	BER=10 ⁻¹⁰ @ 155 Mbps
Output Resistance	R _{out}	-	50	65	ohm	

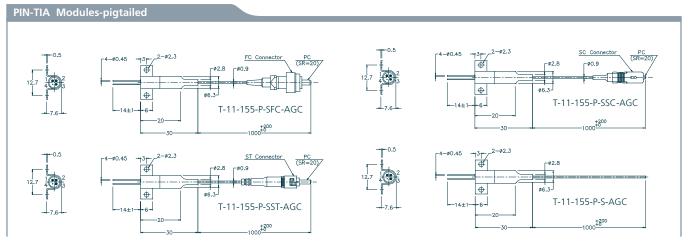
(Operating at V $_{CC}$ = 5V, T $_{C}$ = 25°C, R $_{L}$ = 3000 Ω , λ = 1310 nm, 9/125 μ m SM fiber)

Connector Options			
Model	Package	Fiber	Connector
T-11-155-R-SFC-AGC	Receptacle		FC
T-11-155-R-SST-AGC		-	ST
T-11-155-R-SSC-AGC			SC
T-11-155-P-SFC-AGC			FC
T-11-155-P-SST-AGC	Pigtailed	SM	ST
T-11-155-P-SSC-AGC		3101	SC
T-11-155-P-S-AGC			(None)
T-11-155-P-MFC-AGC	rigialieu		FC
T-11-155-P-MST-AGC		N 4 N 4	ST
T-11-155-P-MSC-AGC		MM	SC
T-11-155-P-M-AGC			(None)



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Warnings *Units in mm

Handling Precautions: This device is susceptible to damage as a result of electrostatic discharge (ESD). A static free environment is highly recommended. Follow guidelines according to proper ESD procedures.

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