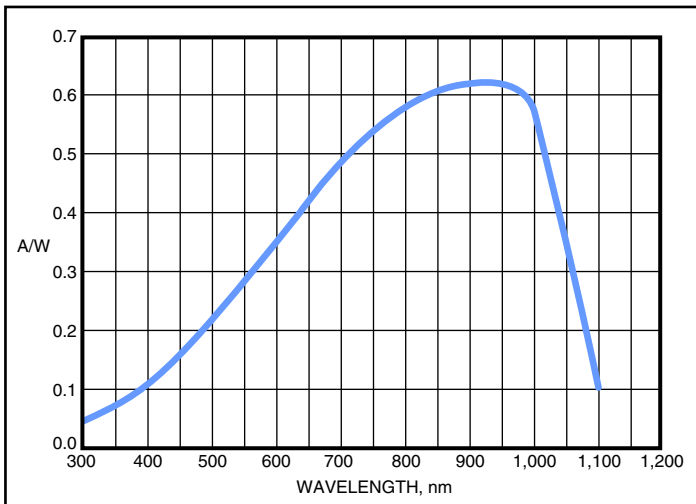


DATA SHEET

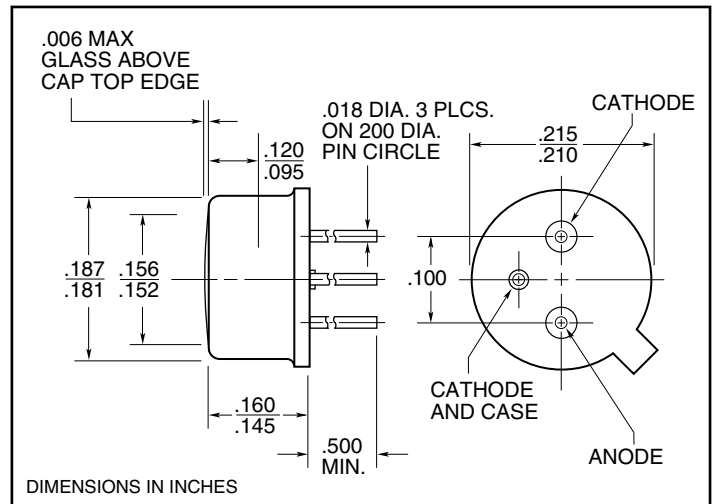
PSS1-7-TO18

SILICON PHOTODIODE TYPE PSS1-7-TO18

PSS1-7-TO18 is a PIN Silicon PHOTODIODE with an Active Area 1.0 mm². It combines excellent blue light sensitivity with more than average Near IR response. This product is packaged in a hermetically sealed TO18 case with a glass window. **Pacific Silicon Sensor Inc.** can also fabricate Silicon Detectors to your specifications.



SPECTRAL RESPONSE



OUTLINE DIMENSIONS

PHOTODIODE CHARACTERISTICS:

PART NO.	ACTIVE AREA mm ²	ACTIVE AREA (size) mm	DARK CURRENT nA @ 12V		CAPACITANCE PF @		RISE TIME @ 663 nm ns	NEP W/H ^{1/2} OV @ 663 nm
			TYP	MAX	0V	12V		
PSS1-7-TO18	1.0	1.13 dia.	0.6	3.0	8	2.0	15	10 ⁻¹⁴

ABSOLUTE MAXIMUM RATINGS

DC Reverse Voltage	Peak DC Current	Storage Temperature	Operating Temperature	Soldering Temperature
30 volts	10 mA	-40°C to +100°C	-25°C to 75°C	240°C for 10 sec.