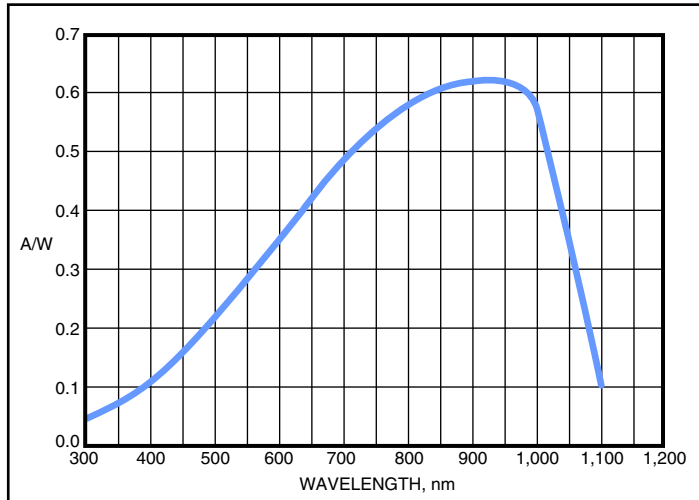


# DATA SHEET

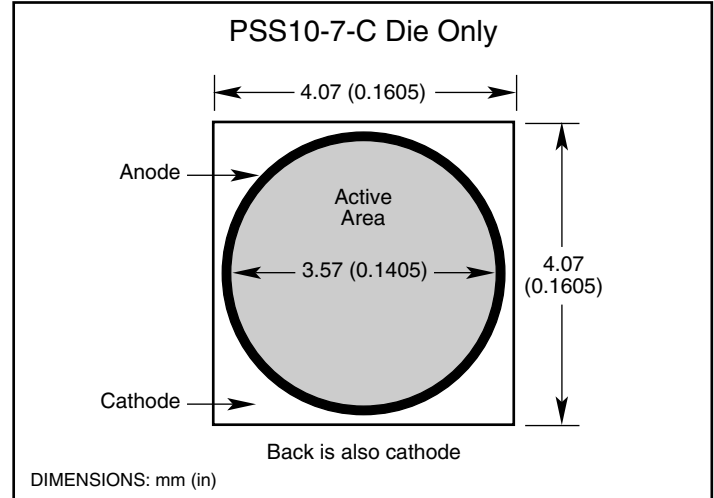
# PSS10-7-C

## SILICON PHOTODIODE TYPE PSS10-7-C

**PSS10-7-C** is a PIN Silicon PHOTODIODE Die with an Active Area 10.0 mm<sup>2</sup>. It can be mounted in standard, custom packages or PCBs. The cathode connection is usually made with silver bearing epoxy. The anode is connected by means of ultrasonic wire bonding using aluminum wires (with 1% silicon) usually 0.001" to 0.003" diameter. **Pacific Silicon Sensor Inc.** can provide this product mounted to customer specifications.



**SPECTRAL RESPONSE**



**OUTLINE DIMENSIONS**

### PHOTODIODE CHARACTERISTICS:

PART NO.	ACTIVE AREA mm <sup>2</sup>	ACTIVE AREA (size) mm	DARK CURRENT nA @ 12V		CAPACITANCE PF @		RISE TIME @ 663 nm ns	NEP W/H <sup>1/2</sup> OV @ 663 nm
			TYP	MAX	0V	12V		
PSS10-7-C	10	3.57 dia.	0.2	10.0	40	10	25	3 x 10 <sup>-14</sup>

### 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	N/A