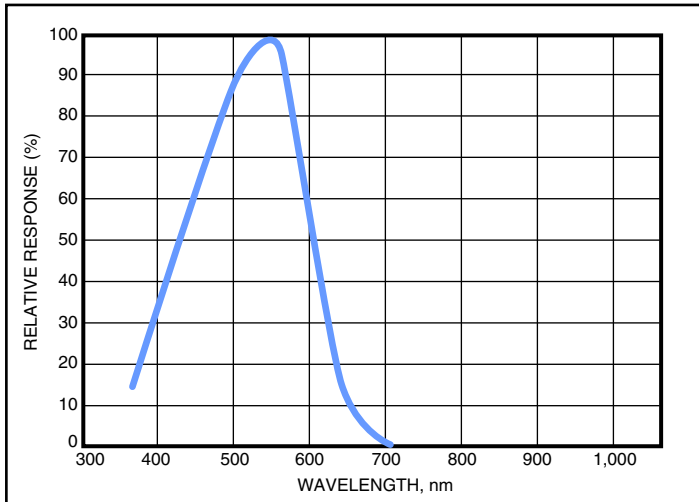


DATA SHEET

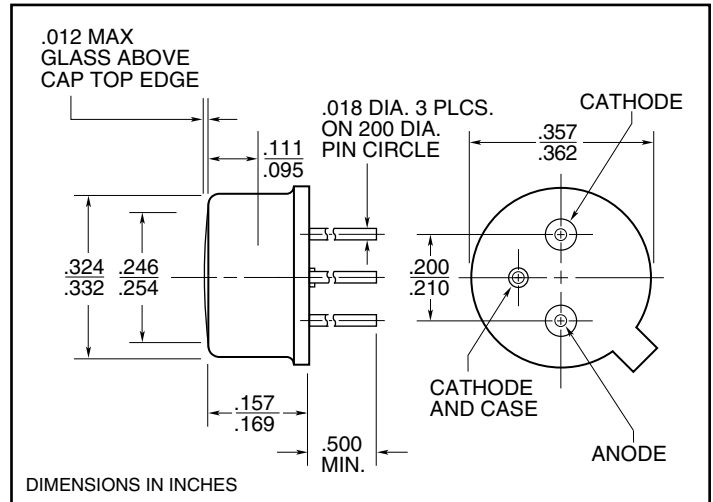
PSS15E

SILICON PHOTODIODE TYPE PSS15E

PSS15-E is an ambient light sensor with a spectral response similar to the human eye. It uses our standard PIN photodiode chip PSS15-7-C with a correcting glass filter. The chip has an active area of 15 mm² and it is housed in a hermetically sealed TO-5 case. Other sizes are also available. Applications include: photometric measurements, camera exposure metering and ambient light compensating circuits for instrument displays.



TYPICAL SPECTRAL RESPONSE



OUTLINE DIMENSIONS

PHOTODIODE CHARACTERISTICS:

PART NO.	ACTIVE AREA mm ²	ACTIVE AREA (size) mm	RESPONSIVITY Na/Lux		DARK CURRENT nA @ 12V		CAPACITANCE PF @		RISE TIME @ 663 nm ns	NEP W/H ^{1/2} OV@ 663 nm
			MIN	MAX	TYP	MAX	0V	12V		
PSS15E	15	4.3 x 4.3	15	30	5	10	150	30	25	3 x 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.