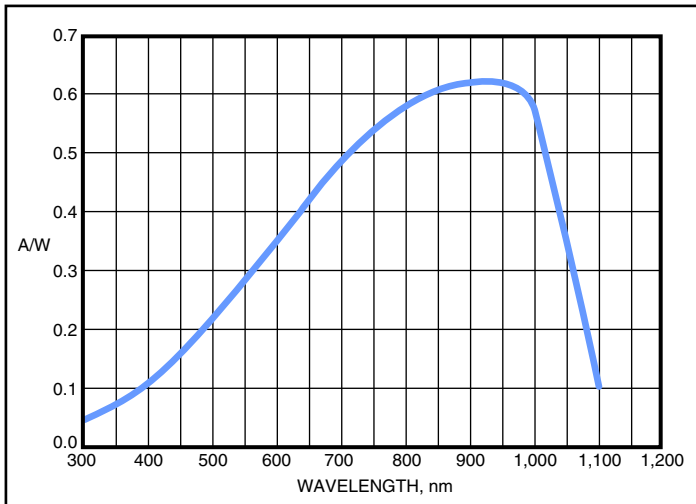


DATA SHEET

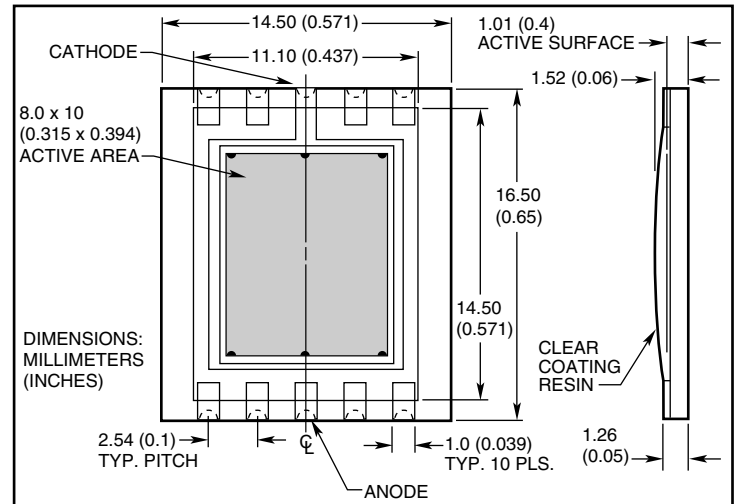
PSS80-7-SM

SILICON PHOTODIODE TYPE PSS80-7-SM

PSS80-7-SM is a silicon photodiode with an active area of 80 mm², in a surface mounting package. The part has a low capacitance for its size measuring 45 pF at 12 volts bias. The part is designed to be re-flow soldered to PC boards. Conductive epoxy may also be used for mounting. The part is protected with durable, clear, non-darkening potting compound.



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		
PSS80-7-SM	80	8 x 10	5	10	135	45	45	5* x10 ⁻¹⁴

ABSOLUTE MAXIMUM RATINGS

DC REVERSE VOLTAGE	PEAK DC CURRENT	STORAGE TEMPERATURE	OPERATING TEMPERATURE	SOLDERING TEMPERATURE
30	10 mA	-50°C to +130°C	-40°C to 105°C	240°C for 10 sec.