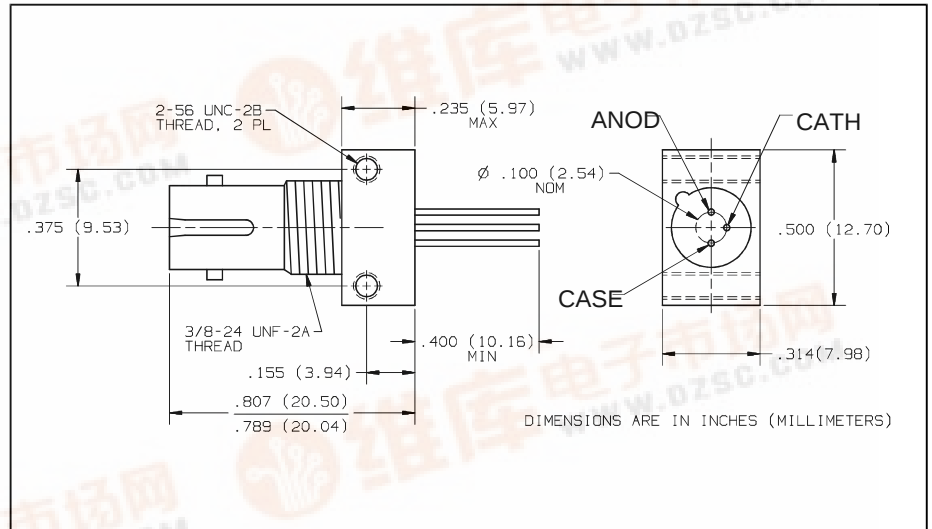




Product Bulletin OPF792
June 1996

Short Wavelength PIN Photodiode in Conductive Plastic ST* Receptacle Type OPF792



Features

- High speed, low capacitance
- Low cost conductive plastic receptacle

Description

The OPF792 is a silicon PIN photodiode mounted in a conductive plastic receptacle. Using a "Conductive" plastic allows an electrical connection to still be made to the receptacle for noise sensitive applications. Its high speed and low cost make it a good choice for cost sensitive high data rate applications up to 194 MBd.

*ST is a registered trademark of AT&T.

Absolute Maximum Ratings ($T_A = 25^\circ \text{C}$ unless otherwise noted)

Storage Temperature	-55°C to $+85^\circ \text{C}$
Operating Temperature	-40°C to $+85^\circ \text{C}$
Lead Soldering Temperature [1/16 inch (1.6 mm) from case for 5 sec. with soldering iron]	260°C
Reverse Bias Voltage	50 V



Type OPF792

Electrical Characteristics (T_A = 25° C unless otherwise noted)

R_P tested with graded index fiber, 50/125, N.A. = 0.20

SYMBOL	PARAMETER	MIN	TYP	MAX	UNITS	TEST CONDITIONS
R _P	Responsivity	.45			A/W	V _R = 5.0 V
I _P	Dark Current		0.5	5	nA	V _R = 5.0 V
t _r	Output Rise Time		2.0		ns	V _R = 5.0 V
BW	Bandwidth		175		MHz	V _R = 5.0 V