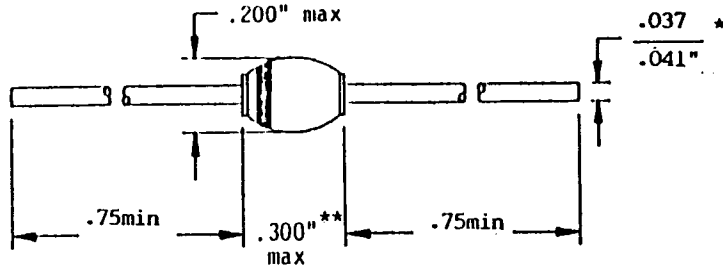


X00156

<p>SPD9441 RADIATION DETECTOR AXIAL LEADED PIN DIODE</p>	<p>SSDI</p>
	<p>14948 FIRESTONE BLVD LA MIRADA, CA 90638 (213) 921-9660 FAX (714) 522-7242</p>

CASE STYLE



FEATURES

- ▶ HIGH PHOTOCURRENT SENSITIVITY
- ▶ LINEAR OUTPUT > 4 DECADES *
- ▶ FAST RISE TIME: < 20 nsec
- ▶ ALL ALLOY CONSTRUCTION

* .028/.032 special order available.
 ** .175" max special order available.

MAXIMUM RATINGS

RATING	SYMBOL	VALUE	UNIT
Reverse Voltage	VR	100	V
Photocurrent	IP	5	A
Storage and Operating Temperature	Tstg, TJ	-65 to +200	°C

ELECTRICAL CHARACTERISTICS

CHARACTERISTICS @ 25 °C	SYMBOL	MIN	TYP	MAX	UNIT
Photocurrent, Bias=50V min 10 ⁶ (RAD(Si)/Sec) Gamma Radiation *Calc.	IP*	4	6		nQ/(RAD(Si)) mAdc
Capacitance (VR=50V, f=1MHz)	CJ			11	pF
Reverse Leakage Current (VR = 50Vdc)	IR			200	nAdc
Breakdown Voltage (IR = 100µAdc)	BVR	100			Vdc