

X00157

SPD9442

SSDI

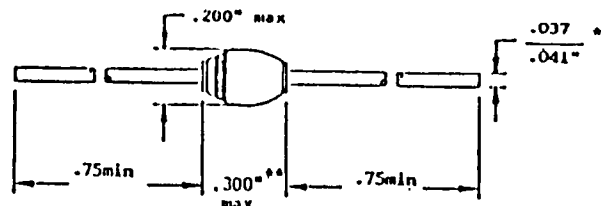
RADIATION DETECTOR

AXIAL LEADED

PIN DIODE

14948 FIRESTONE BLVD
LA MIRADA, CA 90638
(213) 921-9660
FAX (714) 522-7242

CASE STYLE



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

FEATURES

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

HIGHER PERFORMANCE THAN UNITRODE'S UM9442

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	MAX	UNIT
Photocurrent, Bias=15V min 1X10 ⁶ (RAD(Si)/Sec) Gamma Radiation	IP	5	---	nQ/(RAD(Si)) mAdc
Capacitance (VR=50V, f=1MHz)	CJ	---	11	pF
Reverse Leakage Current (VR = 50Vdc)	IR		500	nAdc
Breakdown Voltage (IR = 100µAdc)	BVR	100		Vdc