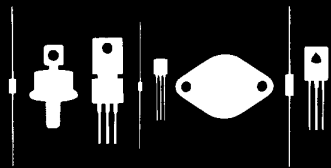


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145 Adams Avenue  
Hauppauge, New York 11788



1N191  
1N192

GERMANIUM DIODE

JEDEC DO-7 CASE

#### DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N191, 1N192 types are point contact germanium diodes in a hermetically sealed glass case, designed for fast switching applications.

#### MAXIMUM RATINGS (TA=25°C unless otherwise noted)

	SYMBOL	1N191	1N192	UNIT
Peak Repetitive Reverse Voltage	VRRM	90	70	V
Average Forward Current	IO	50	50	mA
Peak Forward Current	IFM	150	150	mA
Peak Forward Surge Current (1.0s)	IFSM	500	500	mA
Power Dissipation	PD	80	80	mW
Operating and Storage Junction Temperature	TJ, TSTG	-50 TO +75		°C

#### ELECTRICAL CHARACTERISTICS (TA=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	1N191		1N192		UNIT
		MIN	MAX	MIN	MAX	
VF	IF=5.0mA		1.0		1.0	V
BVR	IR=1.0mA	90		70		V
IR	VR=10V		5.0		15	µA
IR	VR=50V		70		150	µA
t <sub>rr</sub>	IF=10mA		150		-	ns
t <sub>rr</sub>	IF=30mA		-		500	ns

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