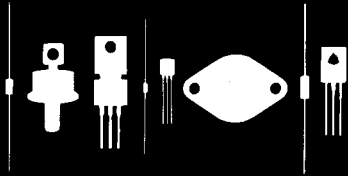


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145 Adams Avenue
Hauppauge, New York 11788



1N3938 THRU 1N3942

2.0 AMP SILICON RECTIFIER
200 THRU 1000 VOLTS

JEDEC D0-13 CASE

DESCRIPTION

The CENTRAL SEMICONDUCTOR 1N3938 series types are silicon rectifiers mounted in a hermetically sealed metal case designed for controlled avalanche applications. Special selections are available on special order. Please consult factory.

MAXIMUM RATINGS (T_A=25°C)

	SYMBOL	1N3938	1N3939	1N3940	1N3941	1N3942	UNIT
Peak Repetitive Reverse Voltage	V _{RRM}	200	400	600	800	1000	V
DC Blocking Voltage	V _R	200	400	600	800	1000	V
Average Forward Current	I _O				2.0		A
Peak Forward Surge Current (One Cycle)	I _{FSM}				30		A
Operating and Storage Junction Temperature	T _J , T _{STG}			-65 to +200			°C

ELECTRICAL CHARACTERISTICS (T_A=25°C)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNIT
V _F	I _F =2.0A (1N3938, 1N3939, 1N3940)		1.1	V
V _F	I _F =2.0A (1N3941, 1N3942)		1.5	V
I _R	V _R =Rated V _{RRM}		200	μA
BV _R	I _R =50μA (1N3938)	240	600	V
BV _R	I _R =50μA (1N3939)	480	900	V
BV _R	I _R =50μA (1N3940)	720	1150	V
BV _R	I _R =50μA (1N3941)	960	1350	V
BV _R	I _R =50μA (1N3942)	1160	1550	V

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