New Jersey Semi-Conductor Products, Inc.

20 STERN AVE.
SPRINGFIELD, NEW JERSEY 07081
U.S.A.

TELEPHONE: (973) 376-2922
(212) 227-6005
FAX: (973) 376-8960

1N5829 thru 1N5831

Features

- Metal of siliconrectifier, majonty carrier conducton
- Guard ring for transient protection
- Low power loss high efficiency
- High surge capacity, High current capability

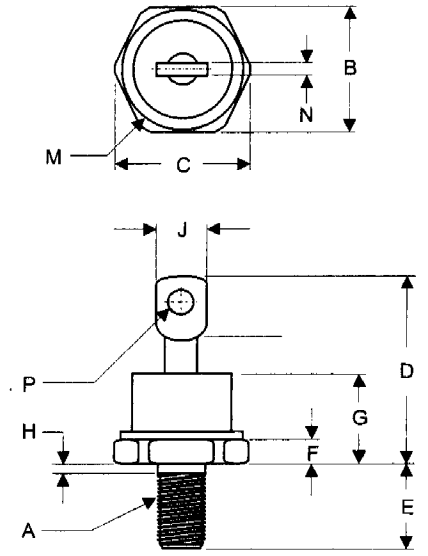
25 Amp Schottky Barrier Rectifier 20 to 35 Volts

Maximum Ratings

- Operating Temperature: -65°C to +150°C
- Storage Temperature: -65°C to +150°C

MCC Part Number	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
1N5829	20V	14V	20V
1N5830	25V	17.5V	25V
1N5831	35V	24.5V	35V

DO-4



A	10-32 UNF3A	Threads	Standard Polarity
B	.424	.437	10.77	11.10	
C	-----	.505	-----	12.82	
D	.600	.800	15.24	20.32	
E	.422	.453	10.72	11.50	
F	.075	.175	1.91	4.44	
G	-----	.405	-----	10.29	
H	.163	.189	4.15	4.80	
J	-----	.310	-----	7.87	
M	-----	.350	-----	8.89	∅
N	.020	.065	0.51	1.65	
P	.060	.100	1.53	2.54	∅

Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	25 A	T_L = 85°C
Peak Forward Surge Current	I_{FSM}	800A	8.3ms, half sine
Maximum Instantaneous Forward Voltage 1N5829 1N5830 1N5831	V_F	 .44V .46V .48V	I_{FM} = 25 A; T_A = 125°C
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	20mA	T_A = 25°C

*Pulse Test: Pulse Width 300μsec, Duty Cycle 1%