

**1N5817
thru
1N5819**

Features

- Schottky Barrier Rectifier
- Guard Ring Protection
- Low Forward Voltage
- Low Power Loss For High Efficiency
- High Current Capability

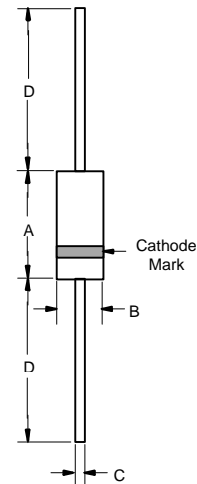
**1 Amp Schottky
Barrier Rectifier
20 - 40 Volts**

Maximum Ratings

- Operating Temperature: -65°C to +175°C
- Storage Temperature: -65°C to +175°C
- Maximum Thermal Resistance; 15°C/W Junction To Lead

Microsemi Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
1N5817	---	20V	14V	20V
1N5818	---	30V	21V	30V
1N5819	---	40V	28V	40V

DO-41



Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	1.0A	$T_A = 90^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	25A	8.3ms, half sine
Maximum Instantaneous Forward Voltage	V_F	.45V .55V .60V	$I_{FM} = 1.0A;$ $T_J = 25^\circ\text{C}^*$
1N5817			
1N5818			
1N5819			
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	1.0mA	$T_J = 25^\circ\text{C}$

*Pulse test: Pulse width 300 μsec , Duty cycle 2%

DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.166	.205	4.10	5.20	
B	.080	.107	2.00	2.70	
C	.028	.034	.70	.90	
D	1.000	---	25.40	---	