

SCHOTTKY BARRIER RECTIFIERS**1N5817/1N5818/1N5819****1.0 AMPS**

DO-41

- Plastic material used carries UL flammability classification 94V-0
- Extremely low V_f , low power loss, high efficiency
- High stable oxide passivated junction
- Low stored charge, majority carrier conduction

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS ($T_a=25$)

PARAMETERS	SYMBOL	1N5817	1N5818	1N5819	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	20	30	40	VOLTS
Maximum RMS Voltage	V_{RMS}	14	21	28	VOLTS
Maximum DC Blocking Voltage	V_{DC}	20	30	40	VOLTS
Maximum Average Forward Rectified Current $T_c=100$	$I (AV)$	1.0			AMPS
Peak Forward Surge Current	I_{FSM}	25			AMPS
Maximum Instantaneous Forward Voltage at 1.0 Amps	V_F	0.45	0.55		VOLTS
Maximum Instantaneous Reverse Current, DC Blocking Voltage $T_j=125$	I_R	0.5 20.0			<i>mA</i> <i>mA</i>
Maximum Thermal Resistance	R_{JC}	15			/W
Operating Temperature Range	T_c	-40 to +125			
Storage Temperature Range	T_{stg}	-40 to +125			

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