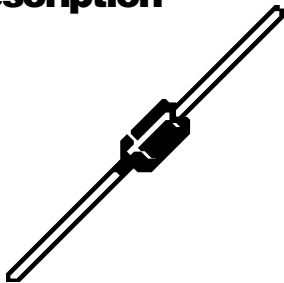
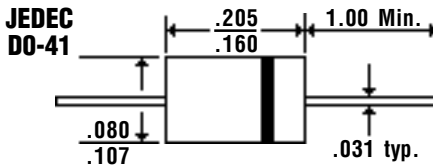


1.0 Amp SCHOTTKY BARRIER RECTIFIERS

Description



Mechanical Dimensions



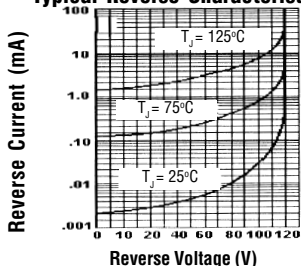
1N5817, 18 & 19 Series

Features

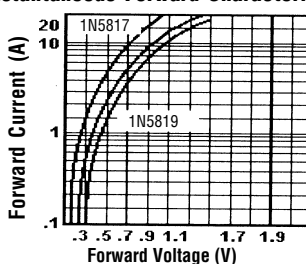
- EXTREMELY LOW V_f
- LOW POWER LOSS — HIGH EFFICIENCY
- LOW STORED CHARGE; MAJORITY CARRIER CONDUCTION
- MEETS UL SPECIFICATION 94V-0

1N5817, 18 & 19 Series				Units
Maximum Ratings	1N5817	1N5818	1N5819	
Peak Repetitive Reverse Voltage... V_{RRM}	20	30	40	Volts
Working Peak Reverse Voltage... V_{RWM}	20	30	40	Volts
DC Blocking Voltage... V_{DC}	20	30	40	Volts
RMS Reverse Voltage... $V_{R(rms)}$	14	21	28	Volts
Average Forward Rectified Current... $I_{F(av)}$ @ $T_A = 55^\circ\text{C}$	1.0			Amps
Non-Repetitive Peak Forward Surge Current... I_{FSM} @ Rated Load Conditions, 1/2 Wave, 60 Hz, $T_J = 75^\circ\text{C}$	25			Amps
Operating & Storage Temperature Range... T_J, T_{STRG}	-65 to 125			°C
Electrical Characteristics				
Maximum Forward Voltage... V_f @ $I_f = 3.0$ Amps	.450	.550	.600	Volts
Maximum DC Reverse Current... I_R @ Rated DC Blocking Voltage				
$T_J = 25^\circ\text{C}$	1.0			mAmps
$T_J = 100^\circ\text{C}$	10			mAmps
Typical Junction Capacitance... C_j	110	<70 >		pF

Typical Reverse Characteristics



Instantaneous Forward Characteristics



Junction Capacitance (pF)

