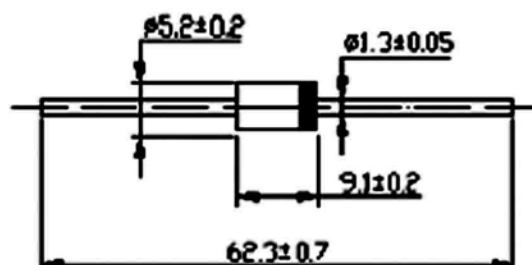


1N5820 THRU 1N5822

SCHOTTKY BARRIER RECTIFIER

1. Dimensions of outlines Unit: mm

DO-27



2. Maximum Ratings

TYPE NUMBER	Symbols	Units	1N5820	1N5821	1N5822
Maximum repetitive peak reverse voltage	V_{RRM}	V	20	30	40
Maximum RMS voltage	V_{RMS}	V	14	21	28
Maximum DC blocking voltage	V_{DC}	V	20	30	40
Maximum average forward rectified current	$I_{F(AV)}$	A	3.0		
Peak Forward Surge Current, 8.3ms single half-wave superimposed on rated load (JEDEC method)	I_{FSM}	A	80		
Operating junction temperature range	T_J	°C	-65 to +125		
Storage temperature range	T_{stg}	°C	-65 to +125		

 3. Electrical Characteristics ($T_a=25^{\circ}\text{C}$ unless otherwise specified)

TYPE NUMBER	Symbols	Units	1N5820	1N5821	1N5822
Maximum instantaneous forward voltage at 3.0A	V_F	V	0.475	0.500	0.525
Maximum instantaneous forward voltage at 9.4A			0.850	0.900	0.950
Maximum instantaneous reverse current at rated DC blocking voltage	$T_a=25^{\circ}\text{C}$	I_{R1}	1.5		
	$T_a=100^{\circ}\text{C}$	I_{R2}	20		