

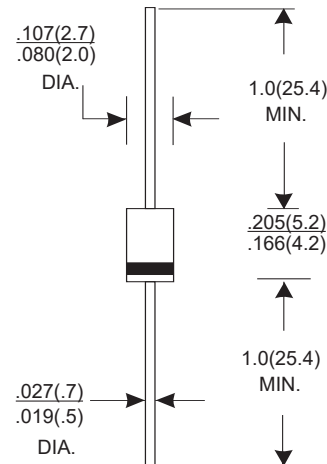
DO-41 PLASTIC SILICON RECTIFIERS

Features

- Plastic package has Underwrites Laboratory Flammability Classification 94V-0
- Fast switching speed
- Diffused junction
- High current capability
- High temperature soldering guaranteed: 250 °C /10 seconds, 0.375"(9.5mm)lead length,5lbs.(2.3kg)tension

MECHANICAL DATA

- Case:JEDEC DO-41 molded plastic body
- Polarity:Color band denotes cathode end
- Mounting Position:Any



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

TYPE NUMBER	Symbols	Units	BA 157	BA 158	BA 159
Maximum repetitive peak reverse voltage	V _{RRM}	V	400	600	1000
Maximum RMS voltage	V _{RMS}	V	280	420	700
Maximum DC blocking voltage	V _{DC}	V	400	600	1000
Maximum average forward rectified current 9.5mm lead length at TA=55 °C	I _{F(AV)}	A	1.0		
Peak Forward Surge Current,8.3ms single half-wave superimposed on rated load (JEDEC method)	I _{FSM}	A	30		
Operating junction temperature range	T _J	°C	-55to+125		
Storage temperature range	T _{stg}	°C	-55to+150		
Maximum instantaneous forward voltage at1.0A	V _F	V	1.3Max.		
Maximum DC reverse current at rated DC blocking voltage Ta=25°C	I _{R1}	μA	5.0Max.		
	I _{R2}	μA	100.0Max		
Maximum reverse recovery time (test conditions:IF=0.5A,IR=1.0A,IRR=0.25A)	T _{rr}	nS	300		