

PLASTIC SILICON RECTIFIERS

VOLTAGE RANGE: 400 -- 1000 V
CURRENT: 1.0 A

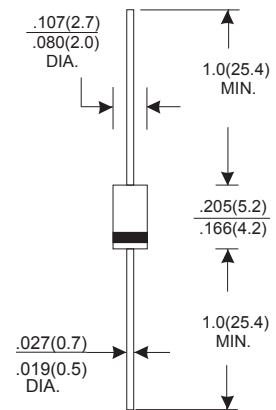
Features

- 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

DO-41



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Single phase, half wave, 60 Hz, resistive or inductive load. For capacitive load, derate by 20%.

TYPE NUMBER	Symbols	Units	BA 157	BA 158	BA 159
Maximum repetitive peak reverse voltage	VRRM	V	400	600	1000
Maximum RMS voltage	VRMS	V	280	420	700
Maximum DC blocking voltage	VDC	V	400	600	1000
Maximum average forward rectified current 9.5mm lead length at TA=55°C	IF(AV)	A	1.0		
Peak Forward Surge Current, 8.3ms single half-wave superimposed on rated load (JEDEC method)	IFSM	A	30		
Operating junction temperature range	TJ	°C	-65to+125		
Storage temperature range	Tstg	°C	-65to+150		
Maximum instantaneous forward voltage at 1.0A	VF	V	1.3Max.		
Maximum DC reverse current at rated DC blocking voltage	Ta=25°C IR1	µA	5.0Max.		
	Ta=100°C IR2	µA	100.0Max		
Maximum reverse recovery time (test conditions:IF=0.5A,IR=1.0A,IRR=0.25A)	Trr	nS	300		