

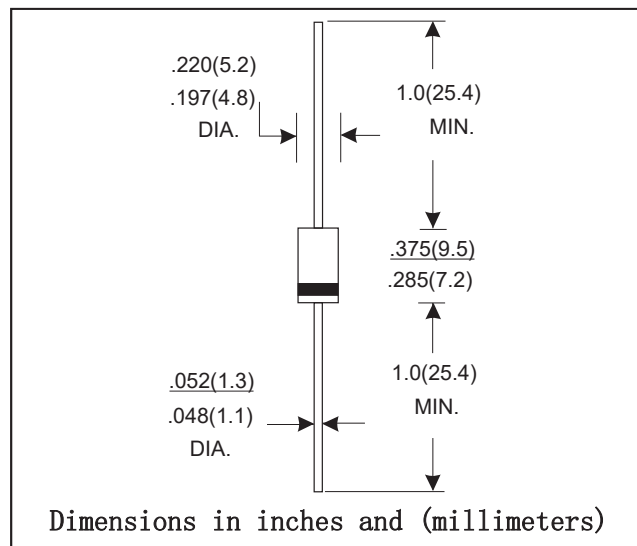
DO-27 PLASTIC SILICON RECTIFIERS

FEATURES

- The plastic package carries Underwrites Laboratory Flammability Classification 94V-0
- Construction utilizes void-free molded plastic technique
- High reliability
- High temperature soldering guaranteed:260 °C/10 seconds at terminals
- Component in accordance to RoHs 2015/863 and WEEE 2012/19/EU

MECHANICAL DATA

- Case style: DO-27molded plastic
- Mounting position: Any



MAXIMUM RATINGS AND CHARACTERISTICS

@ 25°C Ambient Temperature (unless otherwise noted)

Parameter		Symbols	BY 251	BY 252	BY 253	BY 254	BY 255	BY 2000	Units
Maximum Recurrent Peak Reverse Voltage		VRRM	200	400	600	800	1300	2000	Volts
Maximum RMS Voltage		VRMS	140	280	420	560	910	0	Volts
Maximum DC Blocking Voltage		VDC	200	400	600	800	1300	2000	Volts
Maximum average Forward Rectified Current 0.5"(12.5mm)lead length at TA=75°C		l(AV)	3.0						Amps
Peak Forward Surge Current (8.3ms half sine-wave superimposed on rated load (JEDEC method)		IFSM	150.0						Amps
Maximum Instantaneous Forward Voltage at 3.0 A		VF	1.0						Volts
Maximum Reverse current at rated DC Blocking Voltage	TA =25 °C	IR	5.0						µ A
	TA =100 °C		100.0						
Maximum Full=Load=Reverse=CurrentIFull Cycle=Average=K375?E9K5mmFLead=Length @TA75°C				30					
Typical Junction Capacitance (Note 1)		CJ	40.0						pF
Typical Thermal Resistance (Note 2)		Rθ JA	40.0						°C/W
Operating and Storage temperature Range		TJ TSTG	-65 to+150						°C

RATINGS AND CHARACTERISTIC CURVES

FIG.1: I_o - T_a Curve

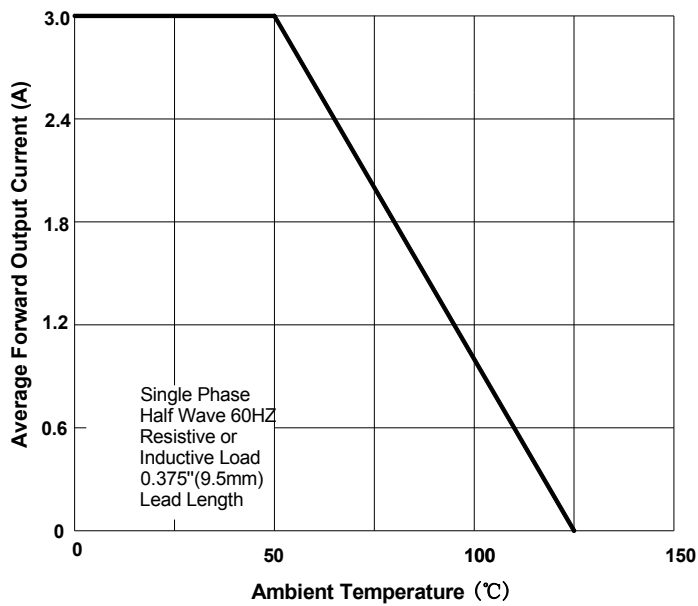


FIG.2: Surge Forward Current Capability

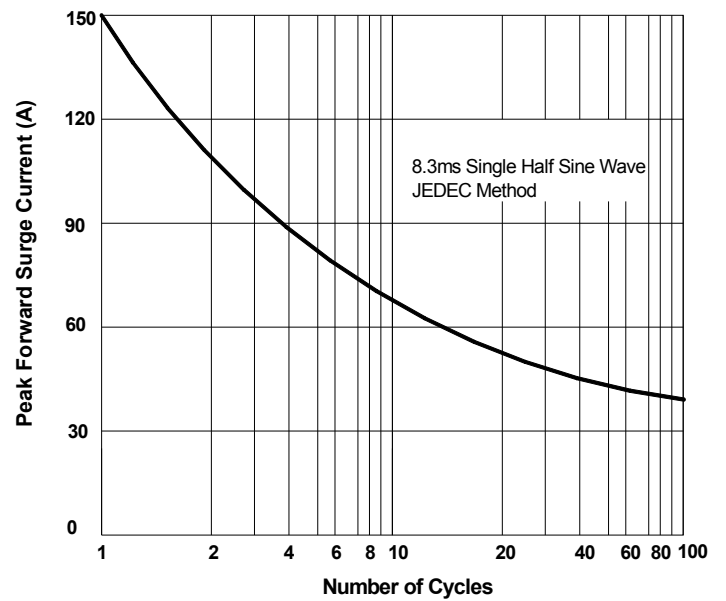


FIG.3: Forward Voltage

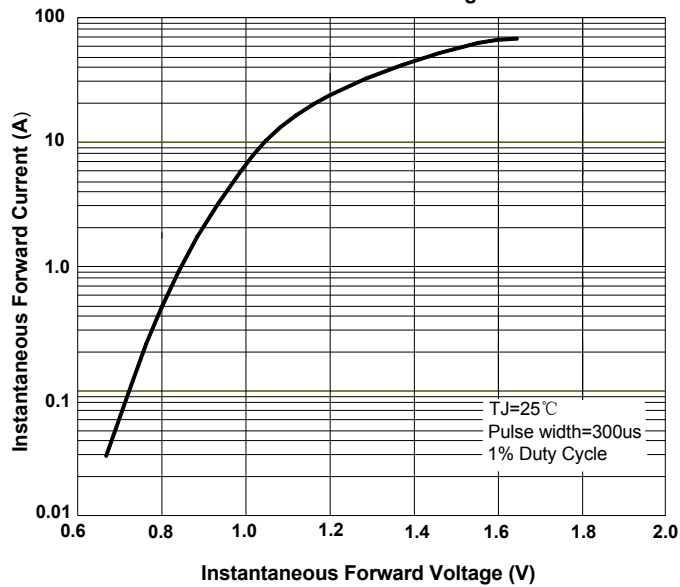


FIG.4: Typical Reverse Characteristics

