

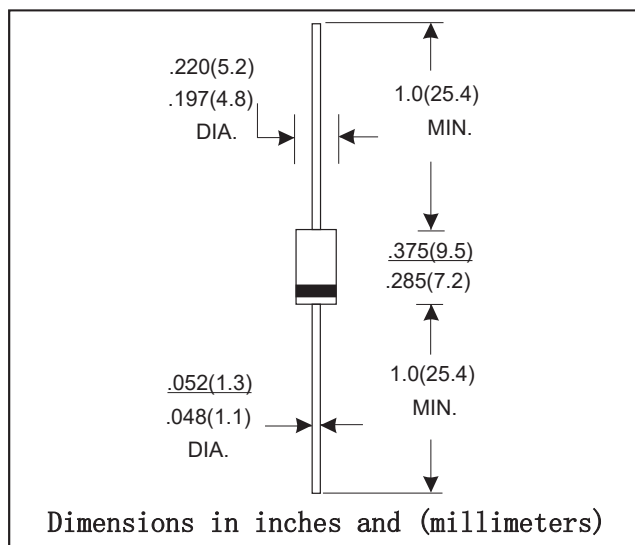
DO-27 PLASTIC SILICON RECTIFIERS

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	1N 5400	1N 5401	1N 5402	1N 5403	1N 5404	1N 5405	1N 5406	1N 5407	1N 5408	Units
Maximum Recurrent Peak Reverse Voltage		V _{RRM}	50	100	200	300	400	500	600	800	1000	Volts
Maximum RMS Voltage		V _{RMS}	35	70	140	210	280	350	420	560	700	Volts
Maximum DC Blocking Voltage to T _A =105℃		V _{DC}	50	100	200	300	400	500	600	800	1000	Volts
Maximum average forw ard rectified current 0.375"(9.5mm) lead length, @T _A =105℃		I _(AV)	3.0									Amps
Peak Forward Surge Current(8.3ms)half sine-wave cuperimposed on rated load (JEDEC method)		I _{FSM}	200									Amps
Maximum Instantaneous Forward Voltage at 3.0 A		V _F	1.0									Volts
Maximum Reverse current at rated DC Blocking Voltage	T _A =25℃	I _R	2.5									uA
	T _A =100℃		50									
Typical Thermal Resistance(Note 2)		R _{JA}	40									℃/W
Typical Junction Capacitance(Note 1)		C _J	50									PF
Operating and Storage Temperature Range		T _J	-55 to +125									℃
		T _{STG}										

RATINGS AND CHARACTERISTIC CURVES

FIG.1: FORWARD CURRENT DERATING CURVE

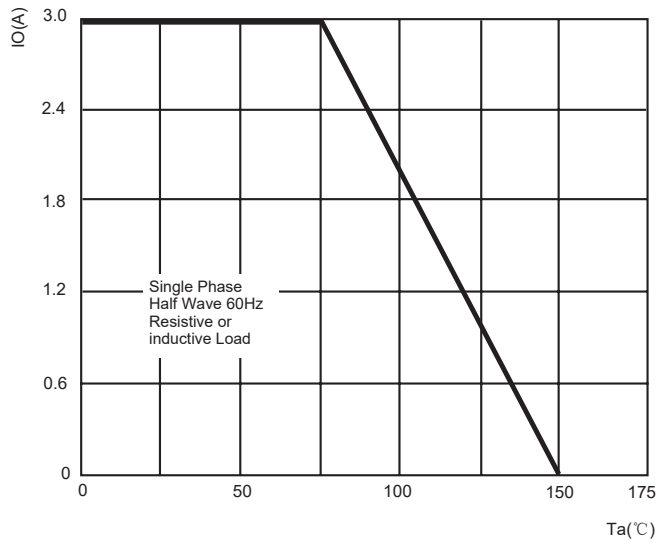


FIG.2: MAXIMUM NON-REPETITIVE FORWARD URGE CURRENT

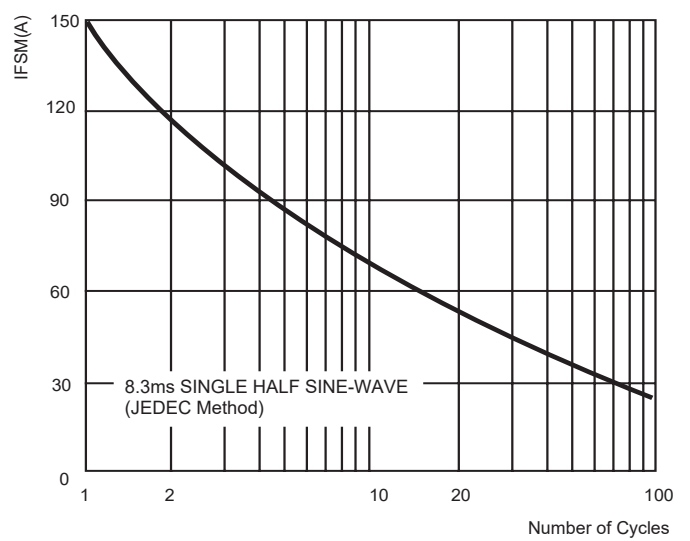


FIG.3: TYPICAL FORWARD CHARACTERISTICS

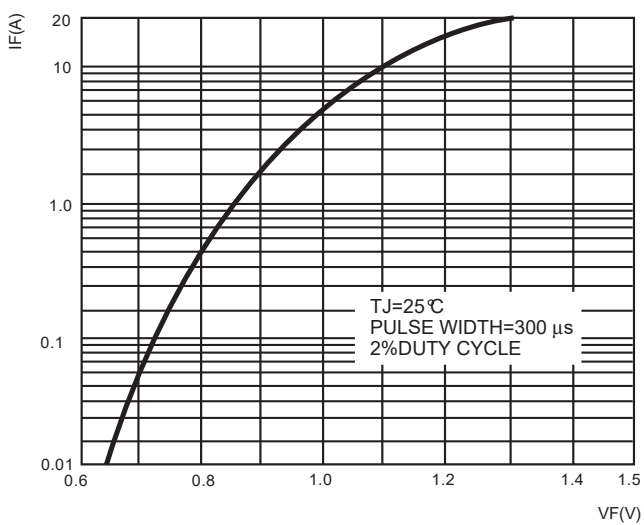


FIG.4: TYPICAL REVERSE CHARACTERISTICS

