

SR220 THRU SR2A0 SCHOTTKY BARRIER RECTIFIER

勝特力材料 886-3-5753170
勝特力电子(上海) 86-21-54151736
勝特力电子(深圳) 86-755-83298787
[Http://www.100y.com.tw](http://www.100y.com.tw)

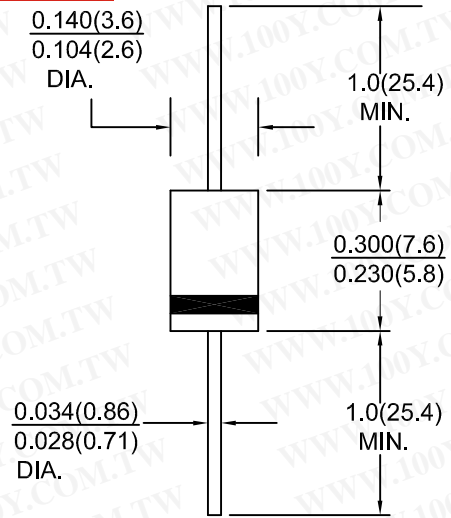
DO-204AC(DO-15)

FEATURES:

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- Guard ring for overvoltage protection
- Low power loss,high efficiency
- High current capability,low forward voltage drop
- High surge capability
- For use in low voltage,high frequency inverters, free wheeling,and polarity protection applications
- High temperature soldering:
250°C /10 second at terminals,0.375:(9.5mm)lead length,5lbs,(2.3kg)tension

MECHANICAL DATA

Case: JEDEC DO-15 molded plastic
 Terminals: Plated axial lead, solderable per MIL-STD-750, Method 2026
 Polarity: Color band denotes cathode end
 Standard Packaging: Any
 Weight:0.014 ounces,0.039 grams



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25° C ambient temp. unless otherwise specified.
 Single phase, half sine wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20 %.

Characteristic	Symbol	SR 220	SR 230	SR 240	SR 250	SR 260	SR 280	SR 2A0	Units
Maximum recurrent peak reverse voltage	V _{RRM}	20	30	40	50	60	80	100	Volts
Maximum RMS voltage	V _{RMS}	14	21	28	35	42	56	70	Volts
Maximum DC voltage	V _{DC}	20	30	40	50	60	80	100	Volts
Maximum average forward rectified current at T _L = 75 °C	I _o	2.0							Amps
Peak forward surge current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	50							Amps
Maximum instantaneous forward voltage drop at 2.0A (NOTE 1)	V _F	0.55		0.70		0.85		Volts	
Maximum instantaneous reverse current at rated DC blocking voltage (NOTE 1)	I _R	1.0 10							mA
Typical thermal resistance (NOTE 3)	R _{th JA}	35.0							°C/W
Operating Junction temperature range	T _J	-55 to +125							°C
Storage temperature range	T _{stg}	-55 to +150							°C

NOTE : 1. Pulse test : 300us width, 1% duty cycle:
 2. Measured at 1 MHz and applied reverse voltage of 4.0 volts
 3. Thermal resistance from junction to lead .and/or to ambient P.C.B mounted with 0.375"(9.5mm) lead length with 1.5X1.5"(38X38mm) copper pads

RATINGS AND CHARACTERISTIC CURVES SR220 THRU SR2A0

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FIG.1 - MAXIMUM FORWARD CURRENT DERATING CURVE

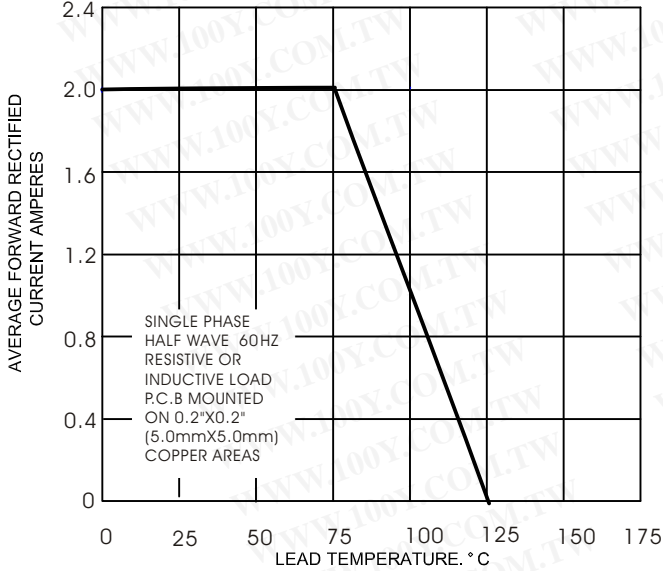


FIG.2 - MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

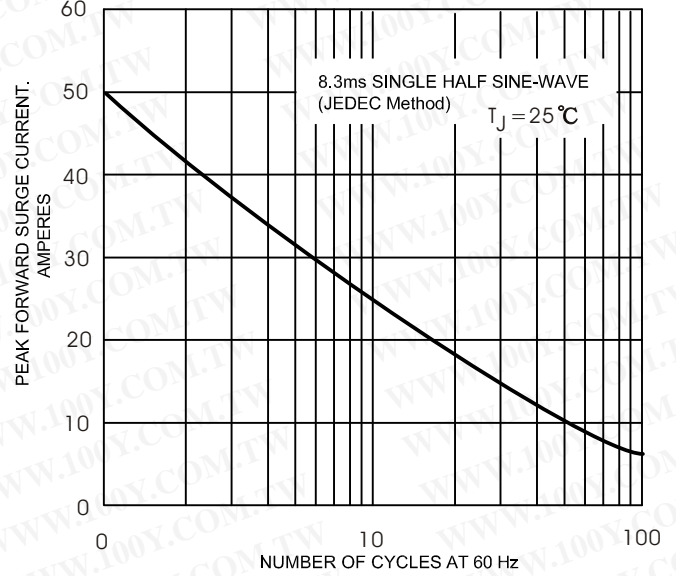


FIG.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

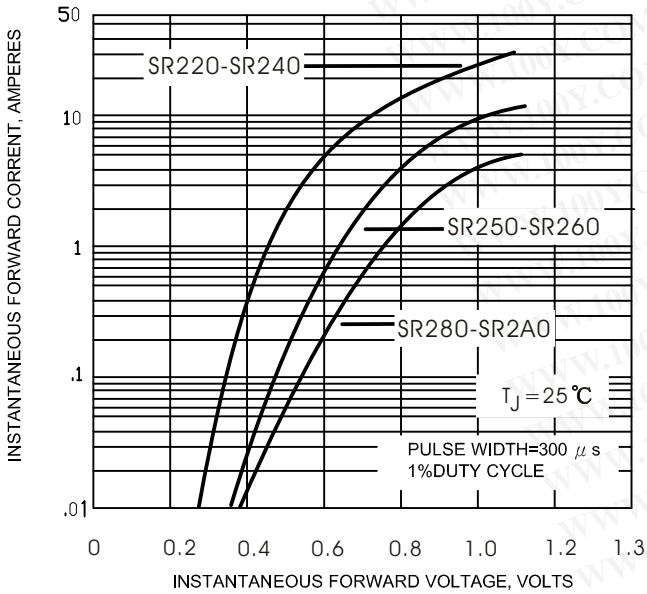


FIG.4 - TYPICAL REVERSE LEAKAGE CHARACTERISTICS

